

Technical Statement  
Application for Minor Change to Construction Permit  
W257BU BNPFT-20030829AFG Hudson, NY  
July 26, 2007

The purpose of this application is to specify a different transmitter site, specify a different frequency and specify a different power level.

The proposed translator becomes a fill in translator for Primary Station WCTW. A Contour Map is enclosed that demonstrates the 60 dBu contour of the proposed translator station is entirely within the 60 dBu service contour of the Primary Station.

An Interference Study is included that demonstrates compliance with regard to prohibited overlap. Only overlap to second adjacent WCTW will exist, however, this is permitted when the overlap is with the Primary Station.

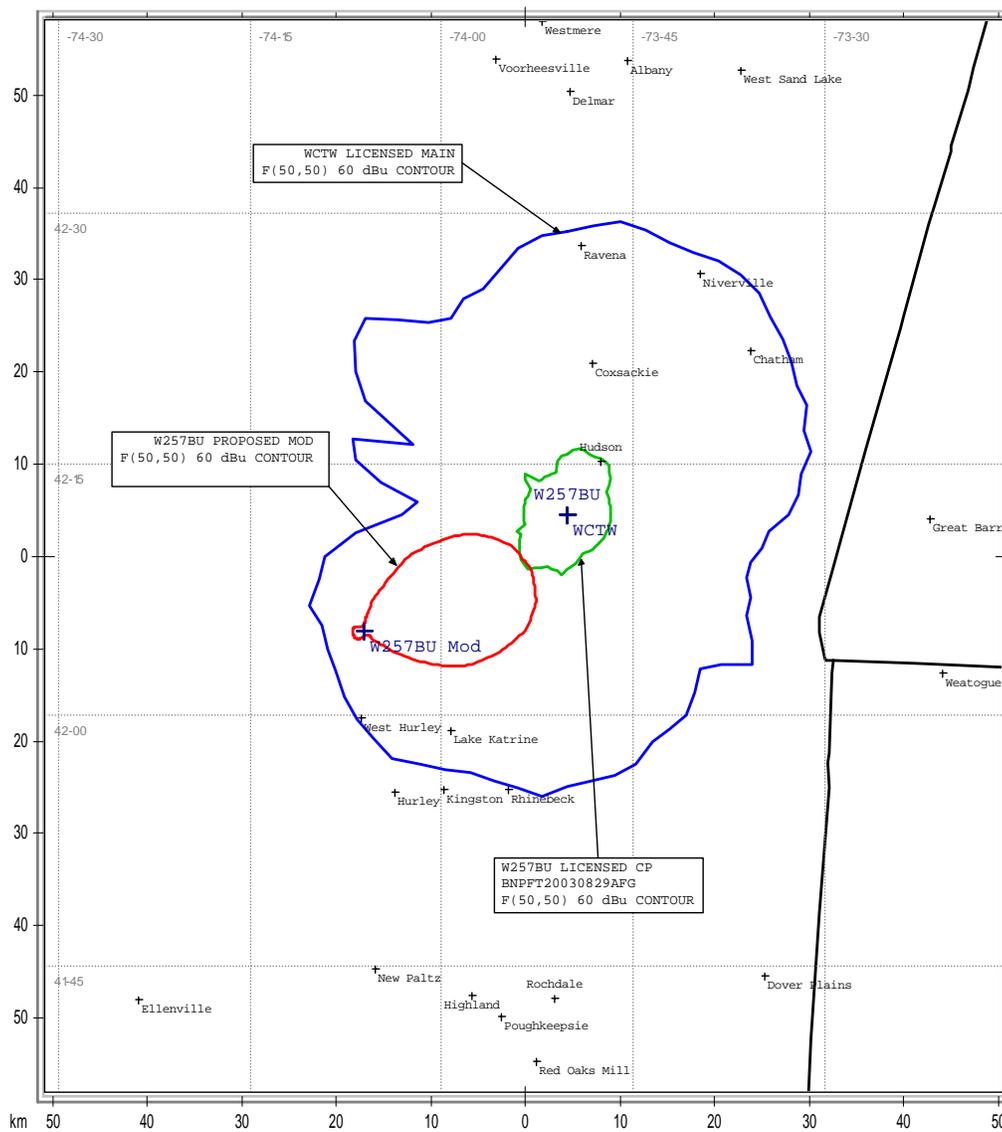
The 60 dBu service contour of the proposed facility overlaps the existing CP facility as required.

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."

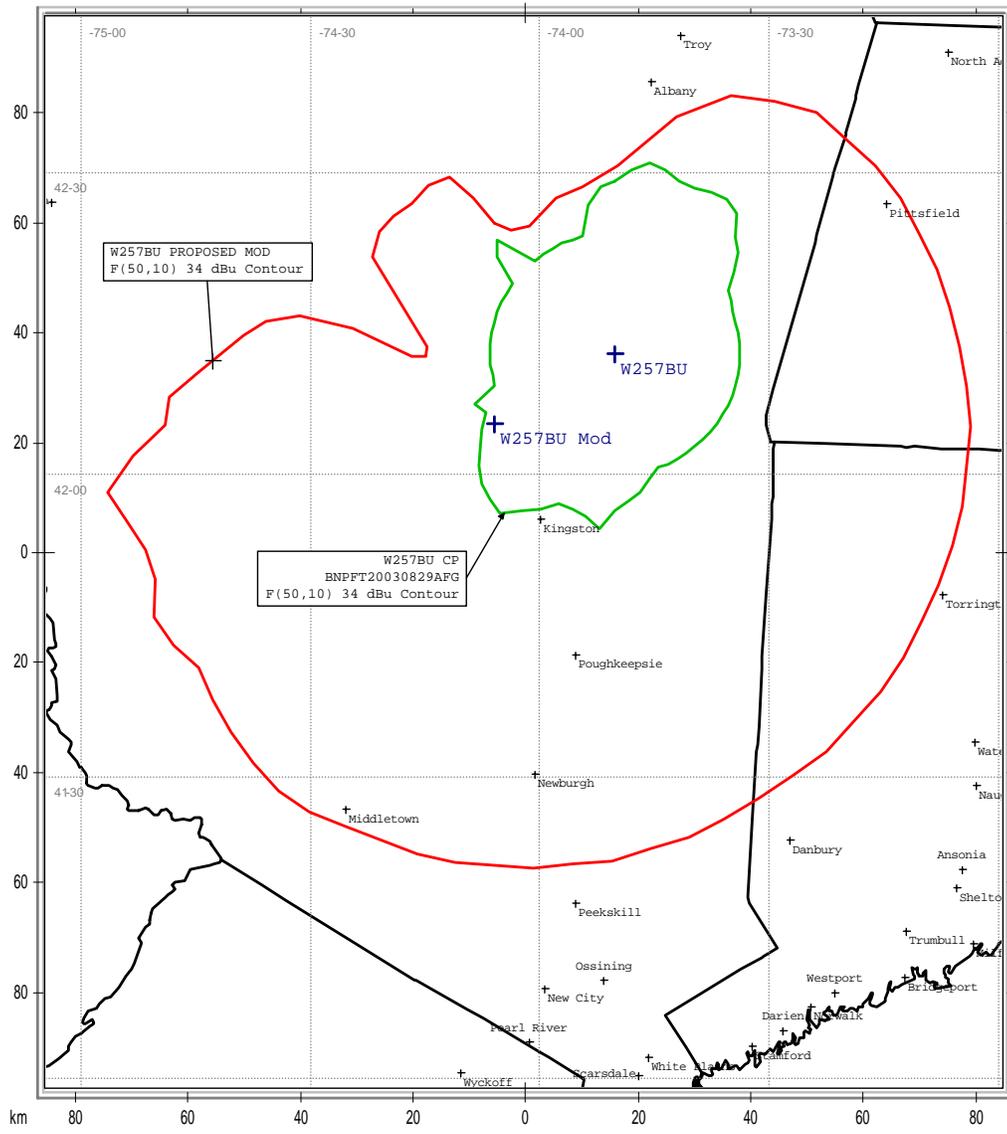
The antenna system is a Scala CL-FM-HR antenna, mounted with its center of radiation 12 meters above ground level, and will operate with an effective radiated power of 20 watts in the horizontal plane only. For this study a "worse case" antenna type "Ring Stub" was utilized. At 2 meters above ground, at 5.6 meters from the base of the tower, this proposal will contribute 1.9 microwatts per square centimeter, or .19 percent of the allowable ANSI limit for controlled exposure, and .95 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 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

PRIMARY/TRANSLATOR 60 dBu Contours



34 dBu Contours



Interference Study

Channel 255 (98.9 MHz Class D) 20 watts (Directional)  
 Hudson, NY 42-05-06.0 N, 74-06-00.0 W.

CALL	CITY	ST	CHN	CL	DIST	SEP	BRNG	CLEARANCE
WCTW	CATSKILL	NY	253	A	25.35	0.00	59.3	-3.62 dB*
WRVE	SCHENECTADY	NY	258	B	61.91	0.00	7.9	3.87 dB
W257BU	HUDSON	NY	257	D	25.35	0.00	59.3	4.35 dB
WRVE	SCHENECTADY	NY	258	B	61.88	0.00	7.9	7.60 dB
WRVE	SCHENECTADY	NY	258	B	61.91	0.00	7.9	10.56 dB
W254AU	GREAT BARRINGTON	MA	254	D	64.01	0.00	76.8	10.73 dB
	ROSENDALE	NY	255	A	19.54	0.00	192.2	11.01 dB
	ADAMS	MA	255	A	99.15	0.00	52.8	11.90 dB
WPLR	NEW HAVEN	CT	256	B	120.55	0.00	127.3	12.75 dB
WKGT-LP	NORTH ADAMS	MA	255	LP100	104.98	24.00	49.1	12.68 dB
WPLR	NEW HAVEN	CT	256	B	120.55	0.00	127.3	13.27 dB
WFSO	OLIVEBRIDGE	NY	202	A	23.06	10.00	211.6	13.1
WPLR	NEW HAVEN	CT	256	B	120.53	0.00	127.3	13.26 dB
WRWC	ELLENVILLE	NY	257	A	49.26	0.00	205.6	14.33 dB
WRWC	ELLENVILLE	NY	257	A	49.26	0.00	205.6	16.86 dB
WSUL	MONTICELLO	NY	252	A	67.82	0.00	226.0	19.38 dB
870430NG	CATSKILL	NY	253	A	21.77	0.00	66.6	22.57 dB
W254AM	BERLIN	NY	254	D	85.84	0.00	42.4	22.58 dB
WSUL	MONTICELLO	NY	252	A	67.82	0.00	226.0	23.97 dB
WLZW	UTICA	NY	254	B	147.25	0.00	323.5	24.38 dB
WORC-FM	WEBSTER	MA	255	A	174.78	0.00	91.1	26.65 dB
NEW	PORT JERVIS	NY	255	D	98.43	0.00	217.0	26.84 dB
WRKS	NEW YORK	NY	254	B	148.76	0.00	176.3	27.39 dB
WRKS	NEW YORK	NY	254	B	148.76	0.00	176.3	27.44 dB
WRVE	SCHENECTADY	NY	258	B	61.91	0.00	7.9	27.56 dB
W252BG	LEE	MA	252	D	76.51	0.00	72.0	27.68 dB
WTRY-FM	ROTTERDAM	NY	252	A	73.39	0.00	1.9	28.80 dB
WRKS	NEW YORK	NY	254	B	148.76	0.00	176.3	29.74 dB

\* WCTW is primary station.