

**Comprehensive Engineering Exhibit**  
**W253BV Poughkeepsie, NY**  
**Facility ID No. 138571**

This license was granted in the prior filing Window for class C and D AM stations.

This exhibit is for a minor modification of W253BV, facility ID 138571 which is seeking a change in channel and power. The proposed facility will continue to be a fill-in translator for WKIP (AM) Poughkeepsie, NY. This change is being proposed to eliminate co-channel interference with WCTW in Catskill NY.

It is proposed to re-orient the antenna, increase power to 250W and change channel to 259 (99.7MHz).

Below as Figure 1 is a spacing study from which it can be determined this proposal will not create any prohibited contour overlap.

Figure 2 is a map showing the predicted 60dBu signal contours of the present and proposed facility overlap. Also shown in Figure 2 are the contours of this proposal and that of the primary station 2mV/m contour along with its 25 mile radius.

**RF Radiation Compliance**

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 has been evaluated using "FM Model", as a worst case "Ring Stub" single bay being mounted with its center of radiation 101 meters above ground level, with an effective radiated power of 0.250 kilowatts in the vertical plane.

At 2 meters above the surface, at 22.8 meters from the closest point of approach, this proposal will contribute worst case, .812 microwatts per square centimeter, or 0.406% of the allowable limit for uncontrolled exposure. This figure is less than 5% of the applicable FCC exposure limit and thus is categorically excluded from environmental processing for purposes of RF compliance, pursuant to Section 1.1307(b)(3)(ii).

The tower is surrounded by a fence with a locked gate restricting access from the general public with appropriate warning signs posted. The applicant will cooperate with other users of the tower site 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 Spacing Study**

Comstudy 2.2 Search of Channel 259 (99.7 MHz Class D) at 41-42-17.7 N, 73-53-15.5 W									
Callsign	State	City	Freq	Channel	ERP_w	Class	Status	Distance_km	Clr
WEZN-FM	CT	BRIDGEPORT	99.9	260	27500	B	LIC	75.34	1.54 dB
WDST	NY	WOODSTOCK	100.1	261	3000	A	LIC	33.48	1.14 dB
WEZN-FM	CT	BRIDGEPORT	99.9	260	20500	B	LIC	75.28	3.84 dB
WJUX	NY	SOUTH FALLSBURG	99.7	259	1400	A	LIC	75.37	6.52 dB
WRWB-FM	NY	ELLENVILLE	99.3	257	115	A	LIC	39.08	7.17 dB
WBAI	NY	NEW YORK	99.5	258	4300	B	LIC	106.56	8.79 dB
WBAI	NY	NEW YORK	99.5	258	10000	B	CP	105.7	9.16 dB
WRWB-FM	NY	ELLENVILLE	99.3	257	0	A	USE	39.08	9.48 dB
WPLR	CT	NEW HAVEN	99.1	256	16000	B	LIC	84.13	10.97 dB
WPLR	CT	NEW HAVEN	99.1	256	15000	B	LIC	84.13	10.41 dB
WRVE	NY	SCHENECTADY	99.5	258	14500	B	LIC	103.91	10.41 dB
WRVE	NY	SCHENECTADY	99.5	258	4000	B	LIC	103.91	10.98 dB
WPLR	CT	NEW HAVEN	99.1	256	17500	B	LIC	84.11	11.40 dB
WPLR	CT	NEW HAVEN	99.1	256	16000	B	LIC	84.12	11.09 dB
WBAI	NY	NEW YORK	99.5	258	3300	B	LIC	106.56	11.25 dB
WRVE	NY	SCHENECTADY	99.5	258	5800	B	LIC	103.88	14.17 dB
WHTZ	NJ	NEWARK	100.3	262	13000	B	LIC	105.7	17.30 dB
WHTZ	NJ	NEWARK	100.3	262	6000	B	LIC	106.56	17.07 dB
WHTZ	NJ	NEWARK	100.3	262	7100	B	APP	106.57	17.20 dB
W258AL	CT	CLINTON	99.5	258	200	D	LIC	73.99	20.19 dB
WDST	NY	WOODSTOCK	100.1	261	0	A	USE	33.81	22.86 dB
WODE-FM	PA	EASTON	99.9	260	50000	B	LIC	157.08	23.03 dB
WLCQ-LP	MA	FEEDING HILLS	99.7	259	100	LP100	APP	111.13	25.32 dB
WLCQ-LP	MA	FEEDING HILLS	99.7	259	100	LP100	LIC	111.24	25.32 dB
WAWZ	NJ	ZAREPHATH	99.1	256	28000	B	LIC	134.27	26.08 dB
WLCQ-LP	MA	FEEDING HILLS	99.7	259	0	LP100	APP	111.13	27.34 dB
WLCQ-LP	MA	FEEDING HILLS	99.7	259	0	LP100	APP	111.13	27.34 dB
W260CH	NY	ALBANY	99.9	260	250	D	LIC	107.92	27.60 dB
WAWZ	NJ	ZAREPHATH	99.1	256	18000	B	LIC	134.27	27.88 dB
WEZN-FM	CT	BRIDGEPORT	99.9	260	0	B	USE	75.28	28.00 dB
WBAI	NY	NEW YORK	99.5	258	0	B	USE	106.56	28.71 dB
WBGK	NY	NEWPORT VILLAGE	99.7	259	1400	A	LIC	185.19	28.11 dB
WRVE	NY	SCHENECTADY	99.5	258	0	B	USE	103.91	29.60 dB
W206AW	NY	PAWLING	89.1	206	250	D	LIC	29.34	29.3
W259AB	VT	MARLBORO, ETC.	99.7	259	6	D	LIC	156.22	32.52 dB
WIII	NY	CORTLAND	99.9	260	26000	B	LIC	210	35.40 dB
WAAL	NY	BINGHAMTON	99.1	256	8700	B	LIC	175.77	35.42 dB
WEAN-FM	RI	VAKEFIELD-PEACEDAL	99.7	259	2300	A	LIC	188.52	36.81 dB
WBGK	NY	NEWPORT VILLAGE	99.7	259	0	A	USE	198.97	36.72 dB
WUSR	PA	SCRANTON	99.5	258	410	A	LIC	158.13	37.98 dB
WDHI	NY	DELHI	100.3	262	1600	A	LIC	108.67	37.81 dB
WUPE-FM	MA	NORTH ADAMS	100.1	261	1150	A	LIC	129.58	38.53 dB
WODE-FM	PA	EASTON	99.9	260	0	B	USE	157.08	38.37 dB
WJBR-FM	DE	WILMINGTON	99.5	258	50000	B	LIC	249.52	39.14 dB

**Figure 2 Contour Map**

