Comprehensive Engineering Exhibit
Minor Change Application
W242CJ, Facility ID No. 141780

This minor change, fill-in application seeks to modify W242CJ by correcting the antenna coordinates. It is proposed to operate with 220 watts ERP, with a Non-directional antenna mounted 130 meters above ground level, on a tower identified by ASR Number 1020860.

Figure 1 is a spacing study, demonstrating that the proposed facility complies with section 74.1204 of the FCC Rules

As shown in Figure 2, the entire 60 dBu contour fits within the predicted daytime 2 mV/m contour of the primary AM station for which this translator is to be "fill-in".

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."

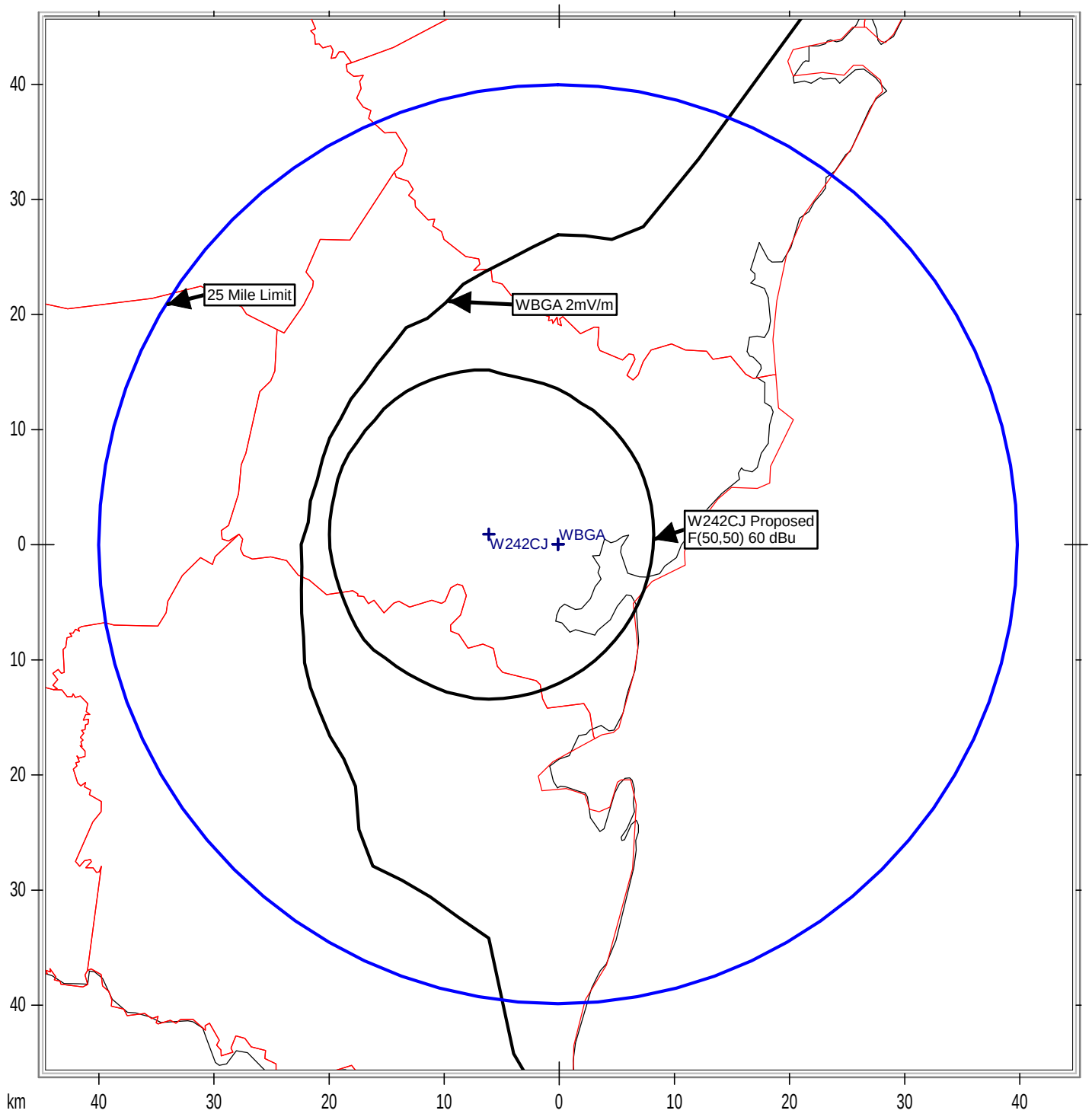
The proposed antenna system is an ERI Model 100A-4F-HW, EPA Type 4, 4-bay, half-wave spaced antenna mounted 130 meters above ground. At 2 meters above the surface, at 495 meters from the base of the tower, this proposal will contribute worst case, 0.0219 microwatts per square centimeter, or 0.002 percent of the allowable ANSI limit for controlled exposure, and 0.011 percent of the allowable limit for uncontrolled exposure. This figure is less the 5% of the applicable FCC limit at all locations extending out from the base of the tower. Section 1.1307(b)(3) excludes applications when the calculated level is predicted to be less than 5% of the applicable exposure limit. It is therefore believed that this proposal is in compliance with OET Bulletin Number 65 as required by the FCC.

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 FCC should anyone be required to climb the tower for maintenance or inspection.

Figure 1. Spacing/Clearance Table

Callsign	Channel	ERP_w	ARN	Class	Status	Dist_km	Sep	Clr	Clr Notes
WEJZ	241	100000	BLH-19881109KA	C0	LIC	94.4	0	0.21 dB	Clear
WJCL-FM	243	100000	BMLH-20110307ACU	C	LIC	100.32	0	1.15 dB	Clear
W242BE	242	250	BLFT-20110721ALI	D	LIC	75.22	0	4.06 dB	Clear
WJGL	245	98800	BMLH-20130124AAR	C0	LIC	99.07	0	10.73 dB	Clear
W243DO	243	99	BLFT-20170111ADH	D	LIC	91.49	0	25.25 dB	Clear
WJIZ-FM	242	79000	BLH-20160406AAY	C1	LIC	238.54	0	30.55 dB	Clear
W242CS	242	150	BLFT-20170227ACF	D	LIC	185.91	0	31.05 dB	Clear
WQZY	240	100000	BLH-20040405ACI	C0	LIC	193.11	0	33.83 dB	Clear
WQPW	239	32000	BLH-20070817AAJ	C2	LIC	159.4	0	35.39 dB	Clear
W241CV	241	99	BLFT-20180403AAH	D	LIC	134.23	0	35.13 dB	Clear
WJTK	243	5000	BLH-20061010AOI	A	LIC	154.07	0	35.93 dB	Clear
W243AW	243	250	BLFT-20141118ARM	D	LIC	147.59	0	36.43 dB	Clear
W242CA	242	250	BLFT-20141007ADA	D	LIC	226.07	0	37.93 dB	Clear
WGOV-FM	244	50000	BLH-20060601ABI	C2	LIC	178.31	0	38.97 dB	Clear
W242CW	242	250	BNPFT-20171201ALY	D	CP	231.16	0	38.83 dB	Clear

Figure 2. Contour and Distance Map



County Borders State Borders