



0 10 20 Kilometers

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 WRRL-AM

Table 1**MINOR CHANGE TO LICENSED FACILITY (250-mile window application): Proposed Channel 299****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)
246	B	WDBS	FM	LIC	SUTTON	WV	US	SUMMIT MEDIA BROADCASTING, L	61.4	31.4	15.0	46.4	
297	B	WKAZ-FM	FM	LIC	MIAMI	WV	US	WEST VIRGINIA RADIO CORPORAT	69.7	298.2	64.0	5.7	
298	D	W298BQ	FX	CP	COVINGTON	VA	US	VIRGINIA TECH FOUNDATION, INC	80.9	104.7	57.5	23.4	
299	A	WVRW	FM	LIC	GLENVILLE	WV	US	DELLA JANE WOOFER	103.0	359.6	67.8	35.2	
299	C3	WHQX	FM	LIC	GARY	WV	US	ALPHA MEDIA LICENSEE LLC	116.2	216.2	84.5	31.7	
300	B	WEMM-FM	FM	LIC	HUNTINGTON	WV	US	MORTENSON BROADCASTING CO.	137.2	294.2	89.9	47.3	

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	86	SCALA DA (composite)	1	0.185	0.185	0.970	0.0970%	1.06	0.53%	22.8
						0.970	0.0970%	1.06	0.53%	22.8

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

In the absence of specific antenna information, "Dipole (EPA)" is assumed ("worst case")