



Figure 1

W296EE- MINOR CHANGE TO LICENSED FACILITY

Demonstration of 60 dBu contour within the 'greater' of 2 mV or 25-mile radius of WRRL-AM

Table 1

W296EE - MINOR CHANGE TO LICENSED FACILITY

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)	
296	D	W242BD	FX	CP	LEWISBURG	WV	US	LIGHTENING BOLT COMMUNICATION	0.0	0.0	20.4	-20.4		(same as applicant)
298	D	W298BQ	FX	CP	COVINGTON	VA	US	WVJT, LLC	51.3	90.5	51.3	0.0		
298	D	W298BQ	FX	LIC	COVINGTON	VA	US	WVJT, LLC	51.3	90.5	41.4	9.9		
299	D	W299CF	FX	CP MOD	FAYETTEVILLE	WV	US	ZACK MEDIA, LLC	42.5	290.0	61.0	-18.5		(interference received only)
299	D	W299CF	FX	LIC	FAYETTEVILLE	WV	US	ZACK MEDIA, LLC	42.5	290.0	36.8	5.7		
299	D	W299CU	FX	CP	BLACKSBURG	VA	US	BASE COMMUNICATIONS, INC.	49.8	182.2	49.1	0.7		
299	C3	WHQX	FM	LIC	GARY	WV	US	ALPHA MEDIA LICENSEE LLC	120.7	232.5	99.2	21.5		

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)
W296EE Proposed	43	Dipole (EPA)	1	0.250	0.250	6.00	0.6%	6.00	3.0%	11.0
WRLB-FM1	24	Dipole (EPA)	1	0.190	0.190	16.00	1.6%	16.00	8.0%	6.0
W247BZ	20	Dipole (EPA)	1	0.000	0.250	25.60	2.6%	25.60	12.8%	4.2
WRON-FM	50	SWR-FMEC (Dipole EPA)	3	3.300	3.300	56.40	5.6%	56.40	28.2%	10.0
						56.4	10.4%	56.4	52.0%	11.0

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")