

W255BM - BECKLEY, WV - Channel 264D (100.7 MHz)
SUMMIT MEDIA SOUTH, INC.
Minor change to licensed facility.

Minor change showing overlap of 60 dBu contours. Fill-in translator for primary station WVBD(FM)

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Table 1
W255BM Minor change to licensed translator facility April 2020
Channel Study

Chan	Class	Call Letters	Type	Status	City	State	Country	Owner	Bearing TO (deg)	Distance (km)	Req. Dist. (km)	Clearance (km)	Field Strength (dBu)	
262	B	WAFD	FM	L-L2C	WEBSTER SPRING	WV	US	SUMMIT MEDIA, INC.	37.5	73.7	71.0	2.6		
263	B	WKEE-FM	FM	L-L2C	HUNTINGTON	WV	US	CAPSTAR TX, LLC	291.9	141.2	125.1	16.1		
263	B	WKEE-FM	FS	L-MOD	HUNTINGTON	WV	US	CAPSTAR TX, LLC	291.9	141.2	105.3	35.9		
264	A	WVBD	FM	L-L2C	FAYETTEVILLE	WV	US	SUMMIT MEDIA SOUTH, IN	0.0	0.0	84.1	-84.1		(See Note)
264	A	WVHK	FM	L-MOD	CHRISTIANSBURG	VA	US	MONTICELLO MEDIA LLC	147.6	109.8	97.2	12.7		
264	A	WMJD	FM	L-L2C	GRUNDY	VA	US	PEGGY SUE BROADCASTING	235.8	122.7	111.7	11.0		
264	B	WQPO	FM	L-L2C	HARRISONBURG	VA	US	TIDEWATER COMMUNICATIONS	71.4	189.3	144.3	45.0		
265	D	W265DX	FX	C-CP	LEWISBURG	WV	US	RADIO GREENBRIER, LLC	104.0	56.0	43.8	12.2		
265	A	WKOY-FM	FM	L-L2C	PRINCETON	WV	US	FIRST MEDIA SERVICES, L	194.5	77.6	67.8	9.8		
265	A	WMXE	FM	L-L2C	SOUTH CHARLESTON	WV	US	L.M. COMMUNICATIONS OF	308.1	81.2	67.6	13.7		
266	D	W266AZ	FX	L-L2C	BECKLEY	WV	US	SOUTHERN COMMUNICATIONS	219.9	29.5	16.1	13.5		
267	A	WZFM	FM	L-MOD	NARROWS	VA	US	WZFM, LLC	168.6	71.4	30.0	41.4		

Note: WVBD has filed a minor modification to vacate Channel 264A. This proposal is contingent on the completed modification of WVBD's modification.

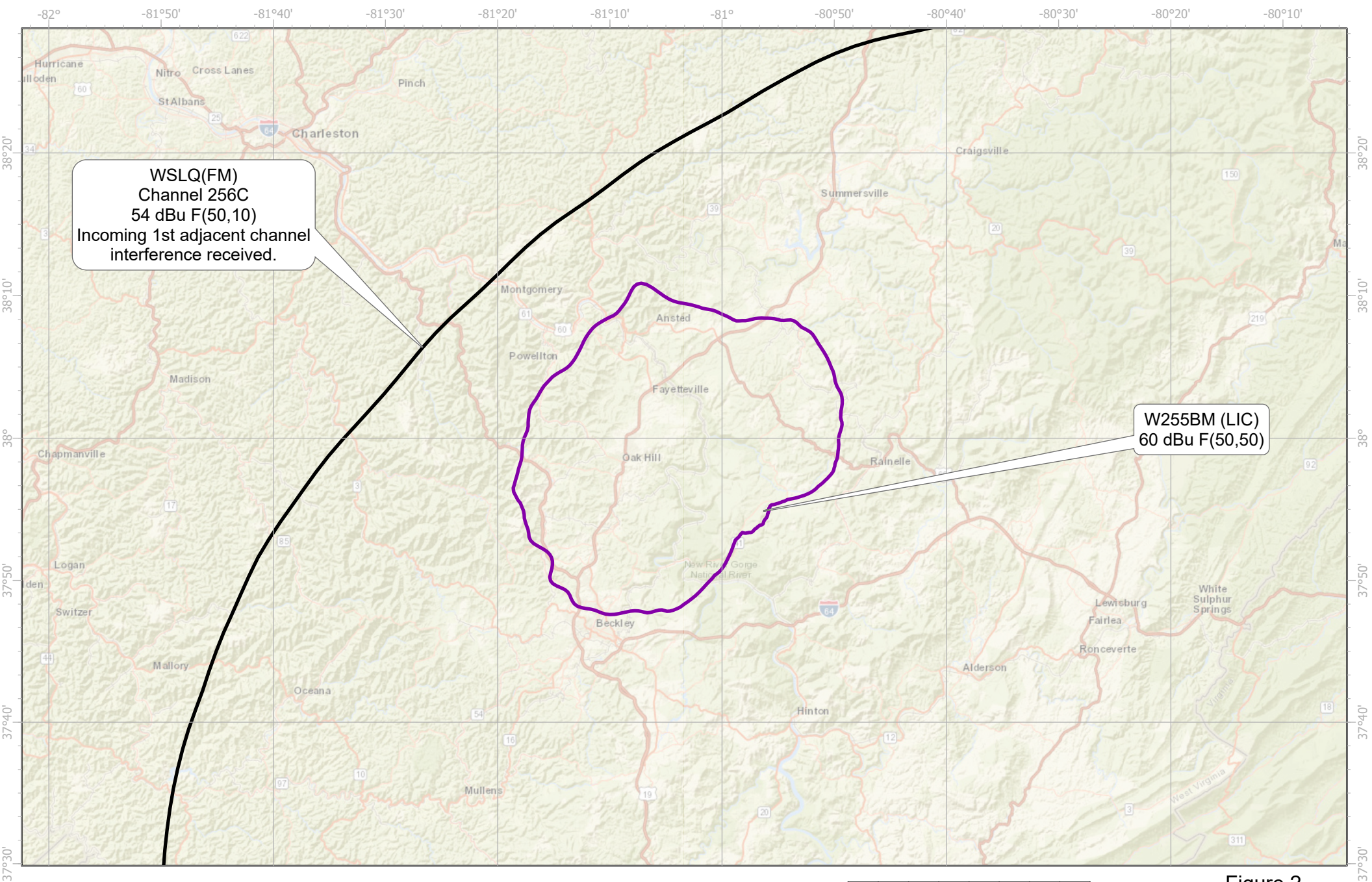


Figure 2

W255BM - BECKLEY, WV - Channel 264D (100.7 MHz)

SUMMIT MEDIA SOUTH, INC. Minor change to licensed facility.

REQUEST FOR NON-ADJACENT CHANNEL CHANGE PER MB DOCKET 18-119

W255BM (on Ch.255) is overlapped by the 54 dBu F(50,10) contour of 1st adjacent WSLQ(FM) on Ch. 256C and receives interference in excess of 6 dB below the W255BM signal (1st adjacent channel interference throughout the W255BM 60 dBu contour). Therefore, applicant requests a non-adjacent channel move pursuant to MB Docket 18-119.

0 10 20 40 Kilometers

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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)
W255BM proposed	53.3	PSIFML-2	2	0.250	0.250	3.80	0.38%	3.80	1.90%	12.8
WVBD proposed	56.0	PSIFML-2	2	0.470	0.470	6.40	0.64%	6.40	3.20%	13.4
						6.40	1.02%	6.40	5.10%	13.4

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 FM Model

In the absence of specific antenna data, parameter "Dipole EPA" is used to assume worst case.