

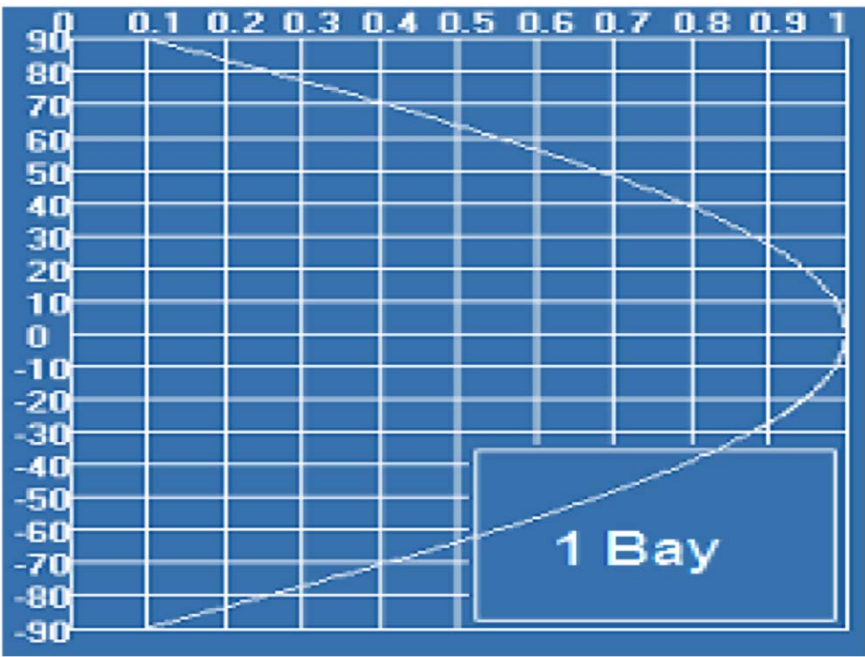
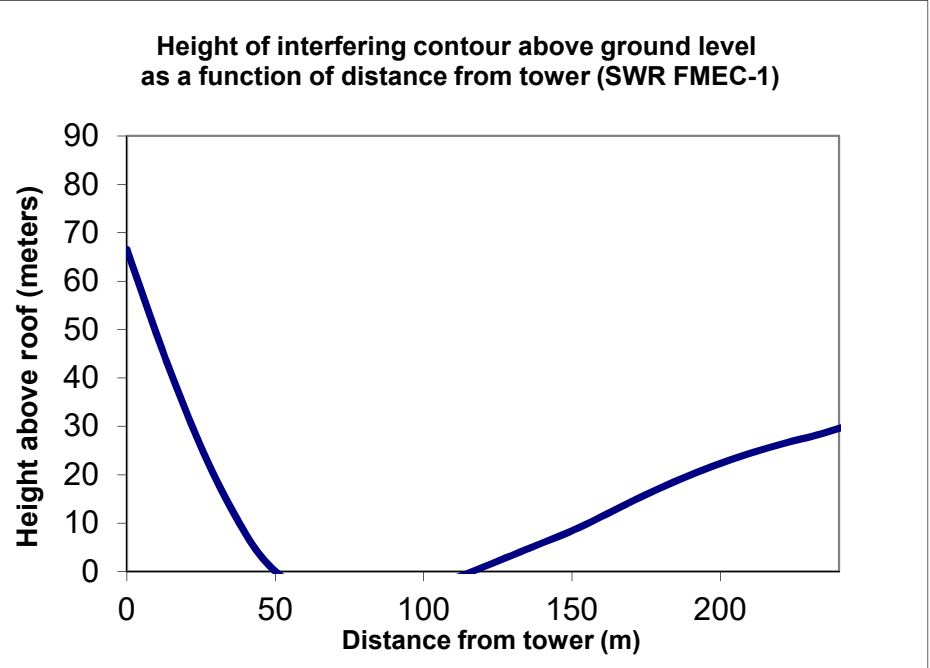
W258DV CLEMSON, SC - Channel 205 (88.9 MHz)  
 MINOR CHANGE TO LICENSED FACILITY  
 GEORGIA-CAROLINA RADIOCASTING COMPANY, LLC  
 Minor change showing proposed W258DV 60 dBu F(50,50) inside 25 mile radius of WSNW

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Table 1 W258DV Minor Change to Licensed Facility October 2019  
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)
203	C2	WAHP	FM	LIC	BELTON	SC	US	RADIO TRAINING NETWORK, II	56.1	149.9	39.3	16.8	50.9
204	C	WNCW	FM	CP	SPINDALE	NC	US	ISOTHERMAL COMMUNITY CO	110.6	24.9	108.8	1.8	50.7
204	C	WNCW	FM	LIC	SPINDALE	NC	US	ISOTHERMAL COMMUNITY CO	110.6	24.9	104.2	6.4	48.8
205	C3	WMSL	FM	LIC	ATHENS	GA	US	RADIO TRAINING NETWORK, II	120.7	211.8	103.2	17.5	27.2
207	C1	WLFJ-FM	FM	LIC	GREENVILLE	SC	US	RADIO TRAINING NETWORK, II	37.7	71.3	67.1	-29.4	73.7 (See Note)
258	D	W258DV	FX	LIC	CLEMSON	SC	US	GEORGIA-CAROLINA RADIOC.	0.0	81.3	0.0	0.0	120.0 (applicant)

NOTE:  
(with respect to WLFJ-FM) 2nd adjacent WLFJ-FM (LIC) has a field strength of 73.7 dBu F(50,50) at the proposed W258DV site. Therefore W258DV's interfering contour is the 113.7 dBu F(50,10) contour. W258DV's 113.7 dBu F(50,10) contour would extend a maximum distance of only 229 meters from the antenna, and the ERP will be limited to 145 watts in the direction of the closest structure. Since the proposed antenna height is 528 meters AMSL, the interfering contour will be more than 5 meters above ground level over the site of a single story structure that is at 443 meters AMSL and 147 meters distance from the site. Therefore this proposal is compliant with the allowance of







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0 0.07 0.15 0.3 Kilometers

Figure 2

WLFJ-FM (LIC) has a field strength of 73.7 dBu F(50,50) at the proposed W258DV site. Since the proposed antenna height is 528 meters AMSL, the interfering contour will be more than 5 meters above ground level over the site of a single story structure that is at 443 meters AMSL and 147 meters distance from the site. Therefore this proposal is compliant with the allowance of Rule 74.1204(d).

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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)
W258DV Proposed	46	SWR-FMEC-1(Dipole EPA)	1	0.250	0.250	5.2	0.5%	5.2	2.6%	11.8
W236CD	22	Dipole (EPA)	1	0.250	0.250	25.1	2.5%	25.1	12.6%	5.4
WZVZ-LP	10	Dipole (EPA)	1	0.002	0.002	1.3	0.1%	1.3	0.7%	2.2
						25.1	<b>3.2%</b>	25.1	<b>15.8%</b>	11.8

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

Calculations made using FCC FMModel

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