



**W212CC, NEWBURGH, NY - MINOR CHANGE TO LICENSED FACILITY**  
**Co-channel study and minor change showing**

**Figure 1** 

Table 1

W212CC, 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)
209 B	WFGB	FM	LIC		KINGSTON	NY	US	SOUND OF LIFE, INC.	66.61	348.64	55.73	10.886	
211 A	WPUT	FM	LIC		NORTH SALEM	NY	US	VINEYARD PUBLIC RADIO	33.16	110.43	13.8	19.356	
211 A	WGSK	FM	LIC		SOUTH KENT	CT	US	TOWN OF MONROE, CONI	44.03	60.61	23.58	20.45	
211 A	WMFU	FM	LIC		MOUNT HOPE	NY	US	AURICLE COMMUNICATIO	53.39	262.78	42.7	10.686	
212 D	W212CC	FX	LIC		NEWBURGH	NY	US	REDEEMER BROADCASTI	0	0	41.55	-41.551	(same as applicant)
212 D	W212CC	FX	CP		NEWBURGH	NY	US	REDEEMER BROADCASTI	0.02	36.84	40.64	-40.623	(same as applicant)
212 A	WQXW	FM	LIC		OSSINING	NY	US	NEW YORK PUBLIC RADIC	39.77	160.08	39	0.774	
212 A	WRPR	FM	LIC		MAHWAH	NJ	US	RAMAPO COLLEGE OF NE	49.15	202.87	33.16	15.996	
213 D	W213AC	FX	LIC		HYDE PARK, ETC	NY	US	FAMILY STATIONS, INC.	25.84	350.97	25.12	0.715	
214 B	WFUV	FM	LIC		NEW YORK	NY	US	FORDHAM UNIVERSITY	67.85	175.01	50.82	17.027	

## 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 W212CC	26	SCA CA5-FM	1	0.010	0.010	0.7	0.1%	0.7	0.4%	6.5
						0.7	<b>0.1%</b>	0.7	<b>0.4%</b>	6.5

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 v2.10 Beta

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

This proposal with an increase in height, same antennna, and same ERP will cause a net decrease in total RF level at the shared site.