



WFGB (FM) Kingston, NY - Facility ID: 60896
Application for a Minor Modification Construction Permit

This is an application for a minor modification construction permit to change the transmitter location of WFGB (FM) Kingston, NY. Other changes include the antenna pattern, height, and effective radiated power of the facility. The proposed site is a tower registered as ASR 1018749. The proposed site is an existing communications tower.

47 C.F.R. Section 1.1306

A Commission grant of Authorization for this location would not be an action which may have a significant environmental effect. According to the FCC's FM Model Software the subject station's predicted power density contribution at a multiple-use site is not considered significant and does not require consideration. Based on worst-case calculations pursuant to OET Bulletin 65, the proposed television facility is predicted to produce a maximum power density of only $3.966 \mu\text{W}/\text{cm}^2$, 21 meters from the tower base (two meters above ground level). This represents only 2% of the FCC Guideline value of 200 microwatts per square centimeter for uncontrolled RFR environments. Pursuant to Section 1.1307(b)(3) of the FCC Rules, because the proposed facility would contribute less than 5% of the uncontrolled limit and controlled exposure limit, the proposal's power density contribution is insignificant. The permittee/licensee in coordination with other users of the site will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

47 C.F.R. Section 73.316

The proposed facility will use an American Amplifier Technologies directional antenna with 600 watts ERP. The antenna pattern proposed complies with 47 C.F.R. 73.316 in that the ratio of maximum to minimum radiation in the horizontal plan does not exceed 15 dB, and the radiation pattern does not vary more than 2 dB per 10 degrees of azimuth.

47 C.F.R. Sections 73.203, 73.207, 73.213, 73.315, 73.509, 73.515, 73.525, and 73.1125:

WFGB (FM) is authorized on FM Channel 209 as Class B FM station. A coverage map is included showing the proposed 1 mV/m contour covers Kingston, New York in accordance with (73.315) 73.515. Contour to contour maps are attached to this application showing compliance with 73.509. A channel study table is included on the last sheet of this narrative showing the proposed facility and the protection requirements. There are no protected TV Channel 6 facilities within 196 kilometers, satisfying 73.525. WFGB (FM) maintains a local telephone number in its community of license or a toll-free number, satisfying 73.1125.

Carl E. Gluck

Carl E. Gluck, CPBE



CHANNEL STUDY

REFERENCE CH# 209B - 89.7 MHz, Pwr= 0.6 kW DA, HAAT= 586.2 M, COR= 970 M DISPLAY DATES
 42 05 06.0 N. Average Protected F(50-50)= 39.4 km DATA 05-08-23
 74 06 00.0 W. Standard Directional SEARCH 05-08-23

CH	CALL	TYPE	ANT	AZI.	DIST	LAT.	Pwr(kW)	INT(km)	PRO(km)	*IN*	*OUT*
CITY		STATE		<--	FILE #	LNG.	HAAT(M)	COR(M)	LICENSEE	(Overlap in km)	
209B	WFGB	LIC	DCN	210.6	1.10	42 04 35.30	3.100	14.9	3.5	-57.8*	-114.8*
Kingston		NY		30.6	BLED19911121KB	74 06 24.50	453	814	Sound Of Life, Inc.		
208A	WNNU	LIC	DVN	70.7	53.64	42 14 34.30	0.270	30.9	18.3	2.4	0.5
Great Barrington		MA		251.1	BLED20130401ADK	73 29 11.40	196	514	New England Public Media,		
209A	WTBR-FM	LIC	CN	59.4	80.97	42 27 05.30	0.350	25.9	7.7	32.2	3.5
Pittsfield		MA		240.0	0000087826	73 15 05.40	-82	334	Pittsfield Public School C		
209A	WRHO	LIC	CN	297.7	90.31	42 27 26.20	0.270	24.2	7.2	36.8	4.7
Oneonta		NY		117.0	BLED20160914ABU	75 04 23.50	-4	469	Hartwick College		
208A	768424	CP	DCN	254.1	60.12	41 56 05.80	0.030	4.7	2.4	23.5	6.3
Livingston Manor		NY		73.6	0000167460	74 47 50.50	119	732	Radio Catskill, Inc.		
210B1	WOPG-FM	LIC	DVN	328.3	90.32	42 46 28.90	1.400	52.6	33.0	12.6	15.4
Esperance		NY		147.9	BLED20101108ABC	74 40 53.00	306	740	Pax Et Bonum, Inc.		
208B	WPKN	LIC	DCN	139.4	117.54	41 16 44.30	10.000	51.1	33.3	20.2	15.5
Bridgeport		CT		320.0	BLED20060201AYV	73 11 06.40	169	253	Wpkn, Inc.		
206B	WMHT-FM	LIC	CN	7.0	60.47	42 37 31.30	6.100	3.7	40.3	32.7	18.3
Schenectady		NY		187.0	BLED20121121ACB	74 00 36.50	361	627	Wmht Educational Telecommu		
209A	WRUC	LIC	CN	9.7	82.61	42 49 04.20	0.100	18.6	5.6	40.1	18.4
Schenectady		NY		189.8	BLED19840412BY	73 55 43.40	-27	108	Trustees Of Union College		
208A	WUUA	LIC	CN	225.9	89.20	41 31 27.30	0.110	13.8	10.5	34.3	19.3
Glen Spey		NY		45.4	BLED20130614AAU	74 52 06.60	120	477	B. Stephen Demchuk Foundat		
211A	WGSK	LIC	CN	131.2	67.81	41 40 54.30	0.077	0.6	5.3	22.4	60.0
South Kent		CT		311.6	BLED20090706ABA	73 29 11.40	39	274	Town Of Monroe, Connecticu		
210A	WAPJ	LIC	CN	111.8	83.76	41 48 09.40	0.040	7.6	4.5	37.1	23.0
Torrington		CT		292.4	0000120660	73 09 48.20	85	397	Torrington Community Radio		
211A	WANZ	LIC	CN	304.4	56.31	42 22 10.20	0.230	1.1	6.9	27.9	47.8
Stamford		NY		124.0	BLED20110214AAN	74 39 52.50	-103	522	Wamc		
207B1	WLJP	LIC	DCN	182.2	78.47	41 22 44.20	1.600	2.5	37.6	30.1	39.2
Monroe		NY		2.2	0000112485	74 08 12.10	283	494	Sound Of Life, Inc.		
212B	WAMC-FM	LIC	CN	51.0	98.26	42 38 14.30	10.000	5.9	67.1	68.7	30.4
Albany		NY		231.6	BLED20101102ABH	73 10 05.40	600	1073	Wamc		

Terrain database is NGDC 30 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM
 In & Out distances between contours are shown at closest points. Reference Zone= - ZN1, Co to 3rd adjacent.
 Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
 ***affixed to 'IN' or 'OUT' values = site inside restricted contour.
 < = Station meets FCC minimum distance spacing for its class.
 Reference station has protected zone issue: Canada