



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

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