

Comprehensive Engineering Exhibit
Milbrook, CT
Facility ID No. 139897

This exhibit is for a new translator, facility ID 139897 which is seeking a change in antenna location, type, orientation and a change in power from the current pending application. The proposed facility will be a fill-in translator for WKCI-FM, Facility ID# 11930, Hamden CT.

It is proposed to locate the transmit antenna 56 meters above ground on a 80 meter self supported tower in Hamden, CT as identified by ASR# 1045133. The proposed antenna is a horizontally polarized Scala CL-FM with an ERP of 0.045KW.

Below as Figure 1 is a spacing study from which it can be determined that this proposal is clear to all authorized facilities and this proposal will not create any prohibited contour overlap.

Figure 2 is a map showing the contours of this proposal and that of the original application, along with the primary station.

RF Radiation Compliance

The proposed Effective Radiated Power is 45 watts. Thus, this application is categorically exempt from environmental processing.

The tower is surrounded by a fence with a locked gate restricting access from the general public with appropriate warning signs posted. The applicant will cooperate with other users of the tower to reduce power of the facility, or discontinue operation, as necessary to limit human exposure to levels less than specified by the Federal Communications Commission should anyone be required to access the tower for maintenance or inspection.

Figure 1. Spacing Study

Comstudy 2.2 Search of Channel 271 (102.1 MHz Class D) at 41-20-59 N, 72-58-23 W									
Callsign	State	City	Freq	Channel	ERP_w	Class	Status	Distance_km	Clr
NEW	CT	MILBROOK	102.1	271	250	D	APP	4.85	-55.82 dB
NEW	CT	BRIDGEPORT	102.1	271	10	D	APP	19.45	0.01 dB
WAQY	MA	SPRINGFIELD	102.1	271	17000	B	LIC	84.49	3.54 dB
WPDH	NY	POUGHKEEPSIE	101.5	268	4400	B	LIC	94.75	10.84 dB
NEW	NY	TIANA	102.1	271	27	D	APP	62.86	10.29 dB
WAQY	MA	SPRINGFIELD	102.1	271	30000	B	LIC	88.65	12.81 dB
WFAN-FM	NY	NEW YORK	101.9	270	6200	B	LIC	108.23	15.32 dB
WFAN-FM	NY	NEW YORK	101.9	270	4600	B	LIC	108.23	17.90 dB
WWFS	NY	NEW YORK	102.7	274	6000	B	CP	108.25	17.78 dB
WGRS	CT	GUILFORD	91.5	218	2800	A	LIC	27.18	17.2
WGRS	CT	GUILFORD	91.5	218	405	A	LIC	27.18	17.2
WGRS	CT	GUILFORD	91.5	218	1100	A	CP	27.18	17.2
WWFS	NY	NEW YORK	102.7	274	6000	B	LIC	108.23	17.19 dB
WBEA	NY	SOUTHOLD	101.7	269	6000	A	LIC	62.86	18.84 dB
WBAB	NY	BABYLON	102.3	272	6000	A	LIC	68.28	19.00 dB
WWFS	NY	NEW YORK	102.7	274	4600	B	LIC	108.23	19.63 dB
WFAN-FM	NY	NEW YORK	101.9	270	3300	B	LIC	112.58	19.09 dB
WBAZ	NY	BRIDGEHAMPTON	102.5	273	4800	A	LIC	70.28	20.92 dB
WFAN-FM	NY	NEW YORK	101.9	270	29500	B	LIC	124.52	21.24 dB
WWFS	NY	NEW YORK	102.7	274	50000	B	LIC	113	21.00 dB
WBAB	NY	BABYLON	102.3	272	6000	A	LIC	68.28	21.31 dB
W271BF	NY	HIGHLAND	102.1	271	10	D	LIC	94.72	22.72 dB
WBAB	NY	BABYLON	102.3	272	3200	A	LIC	68.28	24.04 dB
WFAN-FM	NY	NEW YORK	101.9	270	390	B	LIC	108.23	27.87 dB
WMOS	CT	STONINGTON	102.3	272	3000	A	LIC	95.2	29.07 dB
WWBB	RI	PROVIDENCE	101.5	268	13500	B	LIC	151.25	29.07 dB
WWBB	RI	PROVIDENCE	101.5	268	28000	B	LIC	151.25	30.22 dB
WCIB	MA	FALMOUTH	101.9	270	50000	B	LIC	199.96	32.14 dB
NEW	NY	RHINEBECK	102.5	273	1450	A	APP	100.91	33.38 dB
NEW	NY	RHINEBECK	102.5	273	1300	A	APP	100.92	33.78 dB
NEW	NY	RHINEBECK	102.5	273	6000	A	APP	92.33	33.72 dB
NEW	NY	RHINEBECK	102.5	273	2100	A	APP	96.29	34.49 dB
W272AZ	NY	COXSACKIE	102.1	271	10	D	CP	139.72	34.71 dB
WKLB-FM	MA	WALTHAM	102.5	273	14000	B	LIC	179.38	35.01 dB
WKXW	NJ	TRENTON	101.5	268	19000	B	LIC	186.91	35.30 dB
WKXW	NJ	TRENTON	101.5	268	15500	B	LIC	186.91	35.65 dB
WKLB-FM	MA	WALTHAM	102.5	273	12000	B	LIC	179.38	35.67 dB
WKLB-FM	MA	WALTHAM	102.5	273	7200	B	LIC	180.07	36.54 dB
WKLB-FM	MA	WALTHAM	102.5	273	7200	B	LIC	180.07	36.54 dB
WAQY	MA	SPRINGFIELD	102.1	271	0	B	USE	84.49	37.75 dB
WPDH	NY	POUGHKEEPSIE	101.5	268	0	B	USE	94.75	37.38 dB
WBRK-FM	MA	PITTSFIELD	101.7	269	3000	A	LIC	127.4	39.51 dB
WWUH	CT	WEST HARTFORD	91.3	217	440	A	LIC	49.17	39.2

Figure 2. Contour Map

