

**Comprehensive Engineering Exhibit
Milbrook, CT
Facility ID No. 139897**

This exhibit is for a modification of construction permit BNPFT-20130821ABI which is seeking a change in antenna type, orientation and a change in power from the current authorization. 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 vertically polarized Scala CL-FMV with an ERP of 0.240KW.

Below as Figure 1 is a spacing study from which it can be determined that this proposal is clear to all authorized facilities and will not create any prohibited contour overlap. While the study shows there is interference received from W271CH to this proposal, it can be seen in the map in Figure 2 that no interference is caused to W271CH from this proposal.

Figure 3 is a map showing the F(50,50) contours of this proposal and that of the currently authorized construction permit, along with the primary station.

RF Radiation Compliance

The proposed facilities were evaluated in terms of potential radio frequency radiation exposure at ground level in accordance with OET Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radio Frequency Radiation."

The proposed antenna has been evaluated using "FM Model", as a worst case "Ring Stub" or dipole single bay antenna mounted with its center of radiation 56 meters above ground level with an effective radiated power of 0.240 kilowatts in the vertical plane.

At 2 meters above the surface, at 12 meters from the closest point of approach, this proposal will contribute worst case, 2.62 microwatts per square centimeter, or 0.262% of the allowable ANSI limit for controlled exposure, and 1.31% of the allowable limit for uncontrolled exposure. This figure is less than 5% of the applicable FCC exposure limit and thus is categorically excluded from environmental processing for purposes of RF compliance, pursuant to Section 1.1307(b)(3)(ii).

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
W271BW	CT	MILBROOK	102.1	271	45	D	CP	0.01	-55.87 dB
W271CH	CT	BRIDGEPORT	102.1	271	10	D	CP	19.45	-20.21 dB
WAQY	MA	SPRINGFIELD	102.1	271	17000	B	LIC	84.49	0.70 dB
W271BZ	NY	TIANA	102.1	271	13	D	CP	56.69	0.07 dB
WPDH	NY	POUGHKEEPSIE	101.5	268	4400	B	LIC	94.75	10.84 dB
WAQY	MA	SPRINGFIELD	102.1	271	30000	B	LIC	88.65	10.51 dB
WFAN-FM	NY	NEW YORK	101.9	270	6200	B	LIC	108.23	10.78 dB
WFAN-FM	NY	NEW YORK	101.9	270	4600	B	LIC	108.23	13.36 dB
WBAB	NY	BABYLON	102.3	272	6000	A	LIC	68.28	14.45 dB
WFAN-FM	NY	NEW YORK	101.9	270	3300	B	LIC	112.58	14.84 dB
WBAB	NY	BABYLON	102.3	272	6000	A	LIC	68.28	16.79 dB
WWFS	NY	NEW YORK	102.7	274	6000	B	LIC	108.23	16.98 dB
WGRS	CT	GUILFORD	91.5	218	1100	A	CP	27.18	17.2
WGRS	CT	GUILFORD	91.5	218	405	A	LIC	27.18	17.2
WGRS	CT	GUILFORD	91.5	218	2800	A	LIC	27.18	17.2
WWFS	NY	NEW YORK	102.7	274	6000	B	CP	108.25	17.57 dB
WFAN-FM	NY	NEW YORK	101.9	270	29500	B	LIC	124.52	17.63 dB
WBEA	NY	SOUTHOLD	101.7	269	6000	A	LIC	62.86	18.65 dB
WBAB	NY	BABYLON	102.3	272	3200	A	LIC	68.28	19.52 dB
WWFS	NY	NEW YORK	102.7	274	4600	B	LIC	108.23	19.42 dB
WWFS	NY	NEW YORK	102.7	274	50000	B	LIC	113	20.89 dB
WBAZ	NY	BRIDGEHAMPTON	102.5	273	4800	A	LIC	70.28	20.75 dB
W271BF	NY	HIGHLAND	102.1	271	10	D	LIC	94.72	21.64 dB
WFAN-FM	NY	NEW YORK	101.9	270	390	B	LIC	108.23	23.35 dB
WMOS	CT	STONINGTON	102.3	272	3000	A	LIC	95.2	24.34 dB
WWBB	RI	PROVIDENCE	101.5	268	13500	B	LIC	151.25	28.96 dB
WCIB	MA	FALMOUTH	101.9	270	50000	B	LIC	199.96	30.63 dB
WWBB	RI	PROVIDENCE	101.5	268	28000	B	LIC	151.25	30.10 dB
WMOS	CT	STONINGTON	102.3	272	0	A	USE	95.2	32.82 dB
NEW	NY	RHINEBECK	102.5	273	6000	A	APP	92.33	33.72 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
WAQY	MA	SPRINGFIELD	102.1	271	0	B	USE	84.49	34.74 dB
W271BQ	NY	COXSACKIE	102.1	271	10	D	LIC	139.72	34.62 dB
NEW	NY	RHINEBECK	102.5	273	2100	A	APP	96.29	34.49 dB
WKLB-FM	MA	WALTHAM	102.5	273	14000	B	LIC	179.38	34.93 dB
WKLB-FM	MA	WALTHAM	102.5	273	12000	B	LIC	179.38	35.60 dB
WKXW	NJ	TRENTON	101.5	268	19000	B	LIC	186.91	35.22 dB
WKXW	NJ	TRENTON	101.5	268	15500	B	LIC	186.91	35.56 dB
WKLB-FM	MA	WALTHAM	102.5	273	7200	B	LIC	180.07	36.46 dB
WKLB-FM	MA	WALTHAM	102.5	273	7200	B	LIC	180.07	36.46 dB
WBAB	NY	BABYLON	102.3	272	0	A	USE	68.28	36.81 dB
WPDH	NY	POUGHKEEPSIE	101.5	268	0	B	USE	94.75	37.38 dB

Figure 2. Contour Map

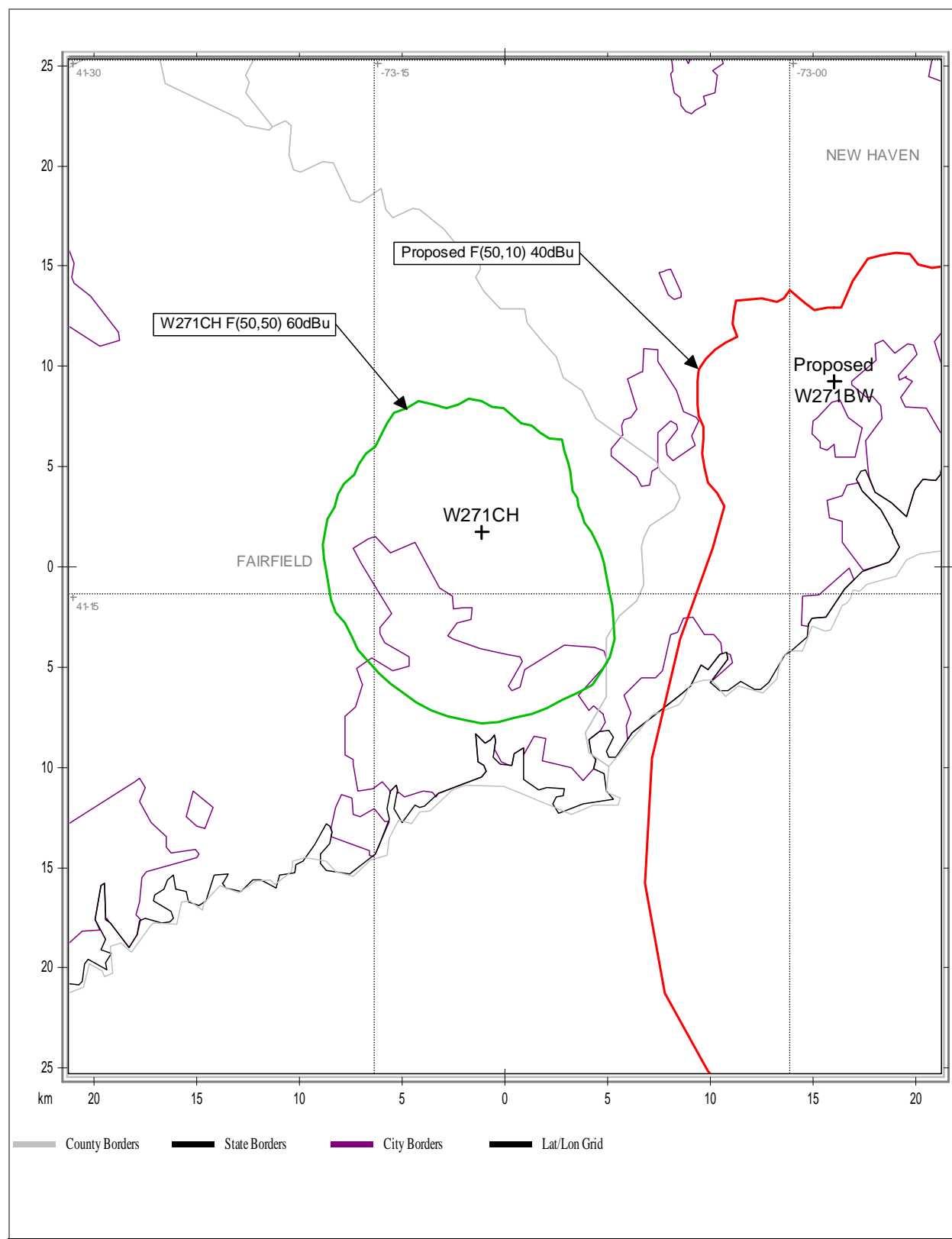


Figure 3. Contour Map

