

RESPONSE TO ITEM NO. 4 OF FORM 442
 NEW ENGLAND WIRELESS, INC
 BURLINGTON, VERMONT

4. Particulars of Operation (See instructions below)						
Frequency (State Whether kHz or MHz) (A)	POWER			EMISSION (E)	MODULATING SIGNAL (F)	NECESSARY BANDWIDTH (kHz) (G)
	(B)	(C)	(D)			
2596.25 MHz	10 W	130 W	PEAK	C3F	NTSC Video	5750
2601.75 MHz	1 W	13 W	MEAN	F3E	(2) 75 kHz (3) 25 kHz	250
2602.25 MHz	10 W	130 W	PEAK	C3F	NTSC Video	5750
2607.75 MHz	1 W	13 W	MEAN	F3E	(2) 75 kHz (3) 25 kHz	250
2609.25 MHz	10 W	130 W	PEAK	C3F	NTSC Video	5750
2611.75 MHz	1 W	13 W	MEAN	F3E	(2) 75 kHz (3) 25 kHz	250
2615.25 MHz	10 W	130 W	PEAK	C3F	NTSC Video	5750
2619.75 MHz	1 W	13 W	MEAN	F3E	(2) 75 kHz (3) 25 kHz	250
2621.25 MHz	10 W	130 W	PEAK	C3F	NTSC Video	5750
2625.75 MHz	1 W	13 W	MEAN	F3E	(2) 75 kHz (3) 25 kHz	250
2627.25 MHz	10 W	130 W	PEAK	C3F	NTSC Video	5750
2631.75 MHz	1 W	13 W	MEAN	F3E	(2) 75 kHz (3) 25 kHz	250
2633.25 MHz	10 W	130 W	PEAK	C3F	NTSC Video	5750
2637.75 MHz	1 W	13 W	MEAN	F3E	(2) 75 kHz (3) 25 kHz	250
2639.25 MHz	10 W	130 W	PEAK	C3F	NTSC Video	5750
2643.75 MHz	1 W	13 W	MEAN	F3E	(2) 75 kHz (3) 25 kHz	250

Note: Frequencies shown in gray-shaded boxes above will employ Antenna 1 (Bogner, B8SS) and the remaining frequencies will employ Antenna 2 (Andrew, RMD16VC).

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A-1	-	A-4	Leased
B-1	-	B-4	Leased
C-1	-	C-4	Leased
D-1	-	D-4	Leased
G-1	-	G-4	Leased
E-1	-	E-4	Leased (Modification Pending)
F-1	-	F-4	Application Pending
H-1	-	H-3	Leased
MDS 1	-	2	Applications Pending

NARRATIVE STATEMENT
NEW ENGLAND WIRELESS, INC.
BURLINGTON, VERMONT

This narrative statement was prepared on behalf of New England Wireless, Inc. in support of an application for a new experimental radio station authorization. The experimental facility will transmit from Mt. Mansfield near Burlington, Vermont.

Proposed Transmitting Site

The two transmitting antennas to be employed will be located on the existing WETK-TV television broadcast tower which is located on Mt. Mansfield approximately 20 miles east of Burlington, Vermont. A vertical profile sketch is included herein as Exhibit No. 3. As indicated, the proposed antennas will be side-mounted on an existing tower structure with no increase in tower height. Marking and lighting of the tower is not required (See Permit No. BPET-901024KG). FAA notification of the proposal is not required.

Proposed Equipment

Exhibit No. 1 tabulates the frequencies to be employed. The frequencies correspond to the Multi-point Distribution Service (MDS) channels E1, F1, E2, F2, E3, F3, E4, F4, respectively, specified in Section 21.901 of the FCC Rules. Two transmitting antennas will be

employed, with the E-channels using Antenna 1 (Bogner, B8SS) and the F-channels using the Antenna 2 (Andrew, HMD16VC). There will be one Comwave, model SB020B for each of the eight channels specified. Each transmitter will operate with a peak visual power output of 10 watts and a mean aural power of 1 watt. There will be separate lengths of Andrew, EW20 waveguide to feed each of the two antennas. The transmission loss is estimated to be 6 dB with a resulting effective isotropic radiated power (EIRP) of 130 watts (visual) and 13 watts (aural). In the event the transmission loss is less than estimated, the transmitter power output will be adjusted such that there will be no increase in EIRP.

FCC Monitoring Stations and NRAO

The proposed facility will be more than 296 km from the closest FCC Monitoring station in Belfast, Maine. The closest point of the National Radio Quiet Zone for protection of the National Radio Astronomy Observatory (NRAO) is more than 750 km distant. The Table Mountain Quiet Zone in Colorado is more than 2600 km distant.

Experimentation Program

The proposed facility is to be constructed primarily for the purposes of limited market studies in accordance with Section 5.202 of the FCC Rules. The facility is necessary in order to fully test the "wireless cable" system viability in the Burlington market.

New England Wireless, Inc. has lease arrangements with Instruction Television Fixed Service (ITFS) and MDS stations which will transmit from Mt. Mansfield on the channel Groups A, B, C, D, E, G and H. New England Wireless, Inc. has applied for the use of MDS Channels 1 and 2A and Group F all at Mt. Mansfield. The B-Group, E-Group and F-Group applications are pending before the FCC. The H-Channel facilities have been operational for one year. The A, C, D and G facilities are to begin operation very soon.

The ITFS channels are leased part-time wireless cable channels and the MDS channels may be used full-time for wireless cable purposes. When New England Wireless, Inc. inaugurates ITFS service from Mt. Mansfield, it will be limited to only three full-time wireless cable channels; the E-Group and F-Group channels as yet not authorized by the FCC. Channel capacity is critical to the viability of wireless cable systems. Therefore, the eight E- and F-Group channels are requested on an experimental basis to properly study the viability of the wireless cable operation in the Burlington market.

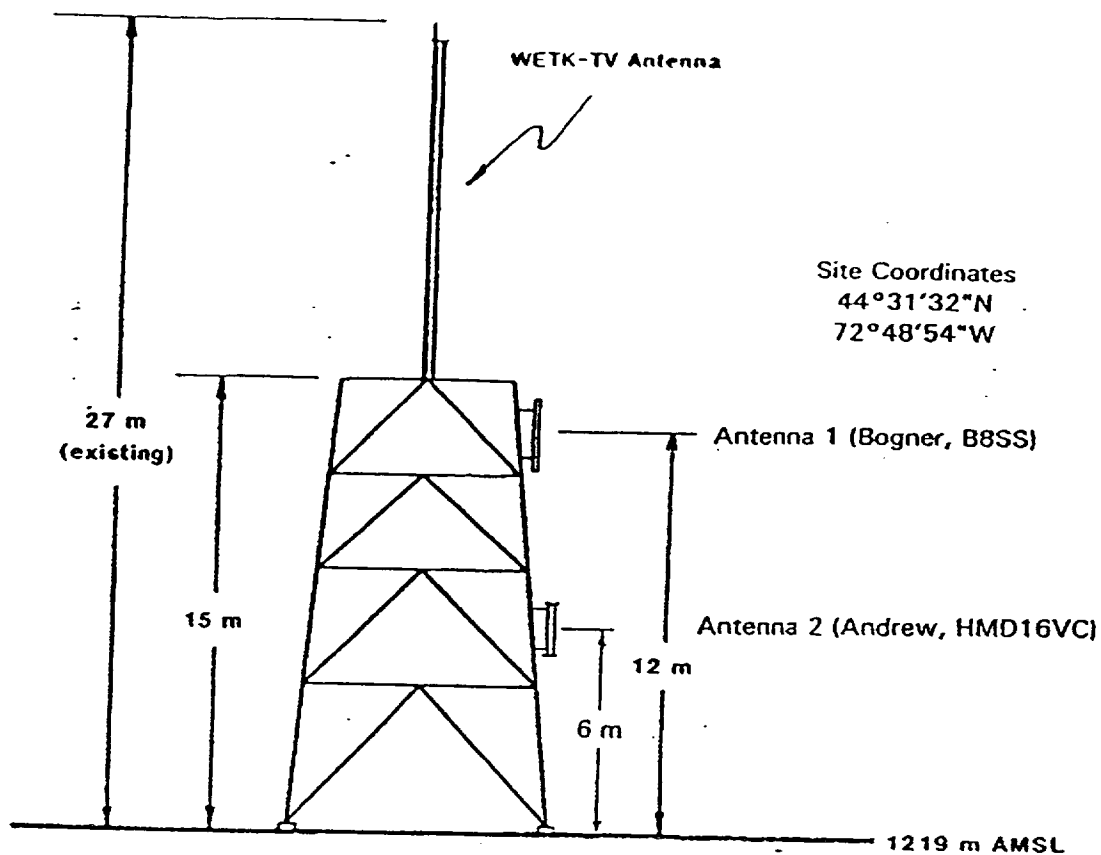
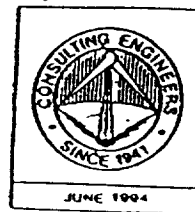
New England Wireless, Inc. will comply with the FCC's requirements to limit its subscriber base. Also, New England Wireless, Inc. will take full responsibility for the proper operation of the experimental facility. New England Wireless, Inc. will own the transmitting equipment and it will not require the public to purchase any additional equipment for the purposes of receiving the experimental channels. (Subscribers may already own

equipment for the purposes of receiving other wireless cable channels.) Subscribers will be informed that the use of the experimental radio frequencies provided is subject to immediate termination by the FCC without advance notice. Subscribers will be cautioned concerning to great a reliance on the continued availability of equipment or the investment of peripheral facilities.

Operation of the experimental facilities shall be on a strictly non-interference basis. The facilities proposed are identical to those pending before the FCC for which complete interference analyses have shown lack of harmful interference (See FCC File Nos. 50787-CM-MP-93 and 62081-CM-P-91). In the event of objectionable interference to another authorized facility, the EIRP shall be reduced or terminated as necessary to eliminate the interference.

Louis Robert du Treil, Jr.

June 2, 1994



VERTICAL PROFILE SKETCH

NEW ENGLAND WIRELESS, INC.

BURLINGTON, VERMONT

du Treil, Lundin & Rackley, Inc. Sarasota, Florida