

Statement D

CHANNEL 6 CONSIDERATIONS

prepared for
He's Alive, Inc.
Murrysville, Pennsylvania

Ch 201A (88.1 MHz) 0.20 KW-DA (V) 74 m

This proposal has been analyzed in accordance with the provisions of Section 73.525 of the FCC Rules for potential interference to channel 6 television reception. There is one channel 6 facility of concern: WJAC-TV, Johnstown, Pennsylvania. The proposed Murrysville site is outside the grade B contours of all other stations, and the Channel 201 interfering contour will not overlap the 47 dB μ grade B contour of any channel 6 facility other than WJAC-TV.

The distances to the pertinent WJAC-TV contours were determined at 1° azimuth increments over the pertinent spans in the direction of the proposed Murrysville facility, using the terrain elevation data on file for WJAC-TV where available, and USGS/DMA 3-arc second terrain data elsewhere. It is noted that 3-second terrain data shows a slightly higher HAAT value in the pertinent directions for WJAC-TV than does 30-second data. The undesired-to-desired signal ratio for each pertinent TV contour was determined from Section 73.599, Figure 1, of the Rules and added to the that contour level to obtain the potentially interfering Murrysville signal level. In addition, a 16 dB factor was added to each of these potentially interfering signal levels to account for He's Alive's proposal to employ vertical polarization only.

The distances to each of these potentially interfering contours were determined from the proposed Murrysville facility at 10° azimuth increments within the appropriate sector. A small interference area was found to result from the Murrysville facility, a portion of which lies within the WJAC-TV Grade A contour. The entire interference area receives City Grade service from WPXI-TV, Pittsburgh, which is an affiliate of the same television network as is WJAC-TV. Accordingly, all population residing within that portion of the interference area outside the WJAC-TV Grade A contour is excluded from consideration. The remaining interference area (that lying within the WJAC-TV Grade A contour) was

Statement D (con't)

plotted on the USGS 7.5 Minute topographic map of Figure 5, and a count was made of the population within that area.

To perform the population count, the geographic coordinates of each census block within the interfering contour were plotted on the 7.5 minute topographic map. All those blocks whose coordinates fall within the interference area were included in the total population count. Those blocks which were included are shown in Figure 5. In addition, three blocks falling just outside the area were included to ensure that the population estimates include all potentially eligible persons. The Rules permit the use of detailed population data in performing interference area counts. The 1990 block-by-block census data is the most detailed data available. A total of 2,597 persons reside in the interference area.

The distances to the protected television contours were determined using the authorized power and antenna height as shown in FCC records. The directional antenna radiation data, maximum power and antenna height shown herein were employed for the proposed Murrysville facility.

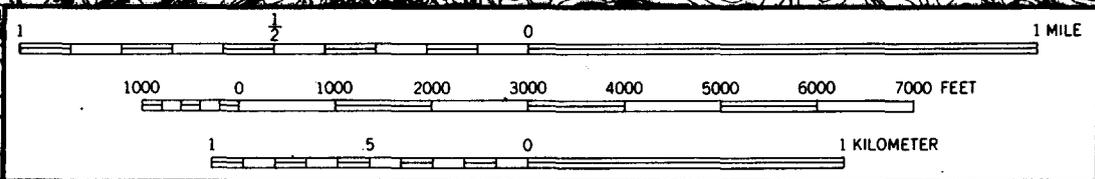


FIGURE 5
CHANNEL 6 INTERFERENCE STUDY

prepared September 1992 for
He's Alive, Inc.
Murrysville, Pennsylvania

Ch 201A 0.2 kW (MAX-DA) 74 m

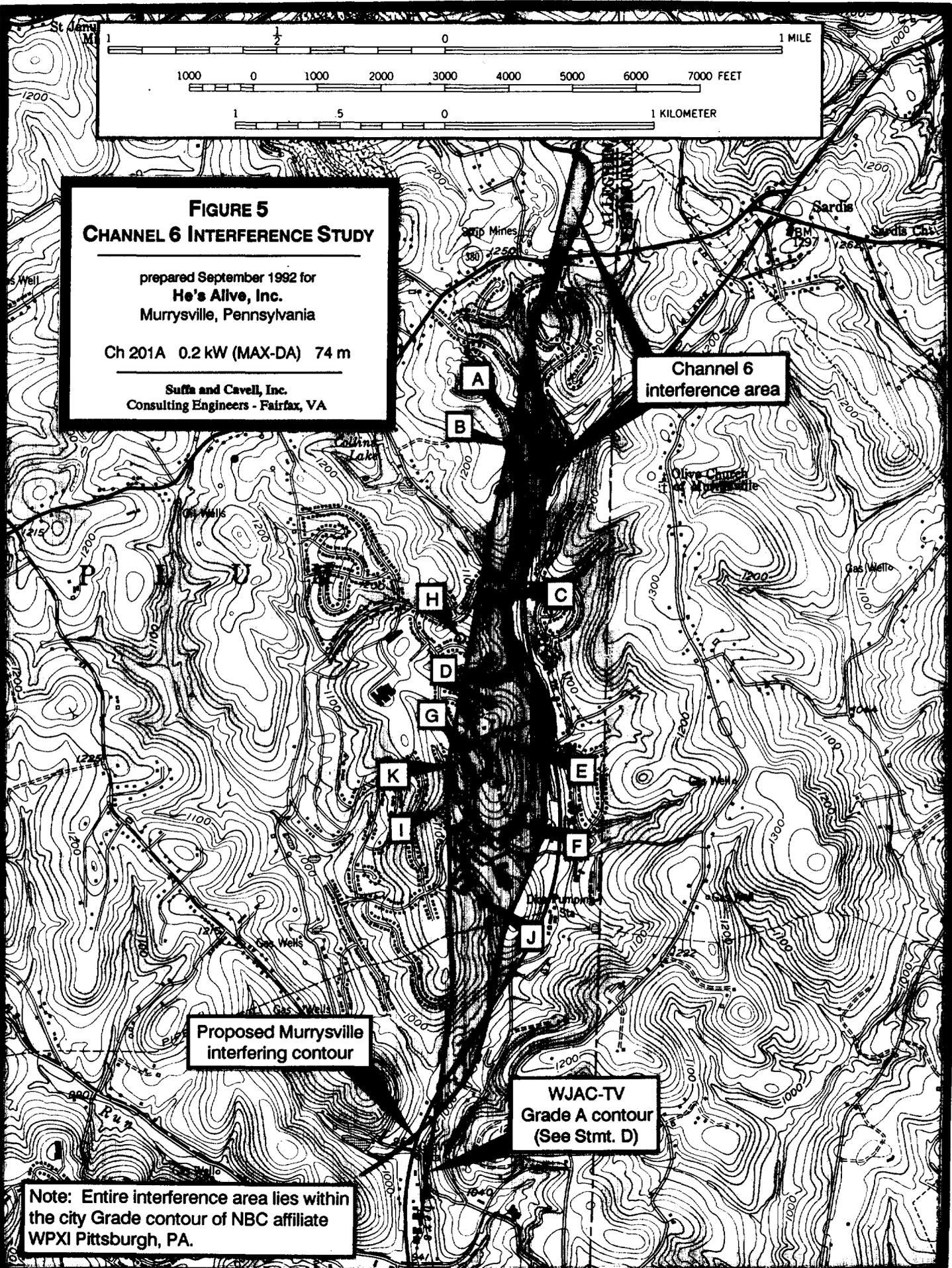
Suffa and Cavell, Inc.
Consulting Engineers - Fairfax, VA

**Channel 6
interference area**

**Proposed Murrysville
interfering contour**

**WJAC-TV
Grade A contour
(See Stmt. D)**

**Note: Entire interference area lies within
the city Grade contour of NBC affiliate
WPXI Pittsburgh, PA.**



CHANNEL 6 INTERFERENCE DATA

prepared for
He's Alive, Inc.
 Murrysville, Pennsylvania

Table 4-A
 WJAC-TV(LIC) Johnstown, PA Ch 6
 70.8 kW, 341 m N 40° 22' 17" W 78° 58' 58"

<u>Azimuth</u> (deg)	<u>Effective Antenna Height</u> (meters)	<u>Effective Radiated Power</u> (dBK)	<u>68 dBu F(50,50)</u> (km)
0	367.9	18.5	55.5
45	174.5	18.5	42.0
90	388.6	18.5	56.7
135	380.7	18.5	56.4
180	346.6	18.5	54.2
225	180.4	18.5	42.5
* 270	480.4	18.5	62.1
** 271	484.6	18.5	62.5
** 272	483.1	18.5	62.3
** 273	484.9	18.5	62.5
** 274	487.1	18.5	62.5
** 275	490.3	18.5	62.8
** 276	492.8	18.5	62.9
** 277	490.5	18.5	62.8
** 278	487.5	18.5	62.6
** 279	487.5	18.5	62.6
** 280	490.0	18.5	62.8
315	415.6	18.5	58.3

* Elevation data from WJAC-TV license file.

** Elevation data from USGS/DMA 3-arc second terrain file.

NGDC 30-Second terrain data used for all other HAAT calculations.

Table 4-B
 WPXI(LIC) Pittsburgh, PA Ch 11
 316 kW 302 m N 40° 27' 28" W 80° 00' 18"

<u>Azimuth</u> (deg)	<u>Effective Antenna Height</u> (meters)	<u>Effective Radiated Power</u> (dBK)	<u>Contour Distances</u> <u>60 dBu F(50,50)</u> (km)
0	276.8	25.0	44.4
45	300.5	25.0	46.0
90	297.5	25.0	45.7
135	322.8	25.0	47.3
180	285.6	25.0	45.1
225	326.1	25.0	47.5
270	328.9	25.0	47.8
315	301.2	25.0	46.0

Terrain and contour data as shown in previous Murrysville filing.

Table 4-C
Proposed Murrysville, PA Ch 201A
0.2 kW, 74 m N 40° 28' 51" W 79° 43' 26"

<u>Azimuth</u> (deg)	<u>Effective</u> <u>Antenna</u> <u>Height</u> (meters)	<u>Effective</u> <u>Radiated</u> <u>Power</u> (dBK)	<u>79.4 dBu F(50,50)</u> (km)
0	101.2	-7.0	4.0
10	77.7	-7.0	3.5
20	58.1	-7.0	3.1
30	48.0	-9.0	2.5
40	38.9	-11.0	2.0
45	42.9	-12.0	2.0
50	50.6	-13.0	2.1
60	44.5	-15.0	1.7
70	31.4	-16.0	1.5
80	39.2	-17.0	1.5
90	34.6	-18.0	1.5
100	39.8	-19.0	1.5
110	38.0	-19.0	1.5
120	44.1	-17.0	1.5
130	51.3	-15.0	1.9
135	50.7	-14.0	2.0
140	55.9	-13.0	2.2
150	60.2	-11.0	2.5
160	72.5	-9.0	3.0
180	79.2	-7.0	3.3

NGDC 30 Second terrain data used for all EAH calculations.

Table 5

CHANNEL 6 POPULATION DATA

prepared for
He's Alive, Inc.
Murrysville, Pennsylvania

Ch 201A 0.20 KW-DA(V) 74 m

<u>Map Identifier</u>	<u>Tract & Block #</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Population</u>
A	5263.01 Blk 05	40-28-57	79-42-25	431
B	5263.01 Blk 07	40-28-53	79-42-28	73
C	5263.02 Blk 02	40-28-29	79-42-31	128
D	5263.02 Blk 03	40-28-13	79-42-34	138
E	5263.02 Blk 05	40-28-06	79-42-31	49
F	5263.02 Blk 17	40-27-54	79-42-29	210
G	5263.02 Blk 18	40-28-06	79-42-39	182
*H	5263.02 Blk 20	40-28-23	79-42-40	270
*I	5263.02 Blk 07	40-27-56	79-42-44	185
J	5263.02 Blk 08	40-27-42	79-42-35	736
K	5263.02 Blk 28	40-28-03	79-42-43	99

Total Included Population

2,597

* Blocks outside interference area, but included.

Statement E

ENVIRONMENTAL CONSIDERATIONS

prepared for
He's Alive, Inc.
Murrysville, Pennsylvania

Ch 201A (88.1 MHz) 0.20 KW-DA (V) 74 m

The instant proposal is not believed to have a significant environmental impact as defined under Section 1.1306 of the Commission's Rules. Consequently, preparation of an Environmental Assessment is not required.

Nature of The Proposal

This application proposes to construct a new educational FM station to serve Murrysville, Pennsylvania. The antenna will be mounted on a new tower in a location that is believed to meet all criteria for categorical exclusion from consideration under the provisions of Section 1.1306 of the FCC Rules.

Human Exposure to Radiofrequency Radiation

The proposed transmitting system will comply with the guidelines for human exposure to RF radiation contained in ANSI guideline C95.1-1982. The FCC has adopted the ANSI guideline as the maximum allowable exposure for humans in the vicinity of transmitting antennas.

The proposed FM antenna will be mounted 30 meters above ground level on a new tower to be constructed for the proposed station.

On a worst case basis, the proposed FM station would cause RF levels at the base of the tower to be 0.7 percent of the applicable ANSI guideline for continuous human exposure. Since the proposed FM station will contribute less than 1% of the applicable ANSI guideline at the base of the tower, the provisions of Section 1.1307(b), Note 2, of the FCC Rules indicate that no consideration need be given to the proposed FM station when calculating RF energy exposure at ground level.

Statement E (con't)

In a worst-case analysis, without considering antenna elevation patterns, this site will comply with Section 1.1306(b) the FCC Rules concerning human exposure to RF energy. He's Alive, Inc. will ensure that appropriate warning signs are posted on the tower.

With respect to worker safety, the RF energy levels on the tower are expected to be below the ANSI guideline, except when the proposed FM station is operating. He's Alive will ensure the safety of workers on the tower. He's Alive will take any steps required to protect the safety of tower workers in areas where the guideline may be exceeded as a result of its operation, including but not limited to, time limitations on workers, power reduction or, if necessary, discontinuance of transmissions. This policy will not preclude the use of measurements to establish safe working areas or time limitations on workers.

Conclusion

The instant proposal may be categorically excluded from environmental processing under Section 1.1306 of the Rules.

APPENDIX 1



U.S. Department
of Transportation

Federal Aviation
Administration

Eastern Region

Fitzgerald Federal Building
John F. Kennedy
International Airport
Jamaica, New York 11430

ACKNOWLEDGEMENT OF NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION

CITY	STATE	LATITUDE/LONGITUDE		MSL	AGL	MSL
PLUM	PA	40-28-51.00	079-43-26.00	1200	112	1112

DEWAYNE JOHNSON C/O
LECHMAN & JOHNSON, INC.
9500 ANNAPOLIS ROAD, SUITE C-1
LANHAM, MD 20706

AERONAUTICAL STUDY
No: 91-AEA-0802-OE

Type Structure: ANTENNA TOWER 88.1 MHZ 0.1995 KW ONLY

The Federal Aviation Administration hereby acknowledges receipt of notice dated 05/16/91 concerning the proposed construction or alteration contained herein.

A study has been conducted under the provisions of Part 77 of the Federal Aviation Regulations to determine whether the proposed construction would be an obstruction to air navigation, whether it should be marked and lighted to enhance safety in air navigation, and whether supplemental notice of start and completion of construction is required to permit timely charting and notification to airmen. The findings of that study are as follows:

The proposed construction would not exceed FAA obstruction standards and would not be a hazard to air navigation.

Obstruction marking and lighting are not necessary.

This determination expires on 01/02/92 unless application is made, (if subject to the licensing authority of the Federal Communications Commission), to the FCC before that date, or it is otherwise extended, revised or terminated.

If the structure is subject to the licensing authority of the FCC, a copy of this acknowledgement will be sent to that Agency.

NOTICE IS REQUIRED ANYTIME THE PROJECT IS ABANDONED OR THE PROPOSAL IS MODIFIED

SIGNED  Specialist, Systems Management Branch
Edward E. Adcock (718)917-1230/1228
ISSUED IN: Jamaica, New York ON 07/03/91

 U.S. Department of Transportation Federal Aviation Administration	NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION	Aeronautical Study Number
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1. Nature of Proposal A. Type <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration B. Class <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary (Duration _____ months) C. Work Schedule Dates Beginning <u>After FCC Grant</u> End <u>6 mos. thereafter</u>	2. Complete Description of Structure A. Include effective radiated power and assigned frequency of all existing, proposed or modified AM, FM, or TV broadcast stations utilizing this structure. B. Include size and configuration of power transmission lines and their supporting towers in the vicinity of FAA facilities and public airports. C. Include information showing site orientation, dimensions, and construction materials of the proposed structure. <p style="text-align: center;">It is proposed to erect a new guyed tower to support a FM antenna. The station would operate on Channel 201A (88.1 MHz) with an ERP of 0.1995 kW and antenna HAAT of 74 meters.</p>
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3A. Name and address of individual, company, corporation, etc. proposing the construction or alteration. (Number, Street, City, State and Zip Code)

(301) 895-3292
 area code Telephone Number

Dewayne Johnson
 34 Springs Road
 P.O. Box 540
 Grantsville, MD 21536

B. Name, address and telephone number of proponent's representative if different than 3 above.

Lechman & Johnson, Inc. (301) 577-0800
 9500 Annapolis Road, Suite C-1
 Lanham, Maryland 20706

(if more space is required, continue on a separate sheet.)

4. Location of Structure			5. Height and Elevation (Complete to the nearest foot)	
A. Coordinates (To nearest second)	B. Nearest City or Town, and State	C. Name of nearest airport, heliport, flightpark, or seaplane base	A. Elevation of site above mean sea level	
40° 28' 51"	Plum, PA	Pittsburgh-Monroeville	1200.0	
Latitude	(1) Distance to 4B 0.8 Miles	(1) Distance from structure to nearest point of nearest runway 4.75 km	B. Height of Structure including all appurtenances and lighting (if any) above ground, or water if so situated	111.5
Longitude	(2) Direction to 4B SE	(2) Direction from structure to airport 230° True	C. Overall height above mean sea level (A + B)	1311.5

D. Description of location of site with respect to highways, streets, airports, prominent terrain features, existing structures, etc. Attach a U.S. Geological Survey quadrangle map or equivalent showing the relationship of construction site to nearest airport(s) (if more space is required, continue on a separate sheet of paper and attach to this notice.)

2.8 km, Southwest of Intersection between Rt. 380 & Rt. 286, Allegheny County, Pennsylvania.

Notice is required by Part 77 of the Federal Aviation Regulations (14 C.F.R. Part 77) pursuant to Section 1101 of the Federal Aviation Act of 1958, as amended (49 U.S.C. 1101). Persons who knowingly and willingly violate the Notice requirements of Part 77 are subject to a fine (criminal penalty) of not more than \$500 for the first offense and not more than \$2,000 for subsequent offenses, pursuant to Section 902(a) of the Federal Aviation Act of 1958, as amended (49 U.S.C. 1472(a)).

I HEREBY CERTIFY that all of the above statements made by me are true, complete, and correct to the best of my knowledge. In addition, I agree to obstruction mark and/or light the structure in accordance with established marking & lighting standards if necessary.

Date 5/16/91	Typed Name/Title of Person Filing Notice Lalin Fonseka/ Telecommunications Cons.	Signature <i>Lalin Fonseka</i>
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Remarks:

[This section contains a large, dark, illegible stamp or mark.]

Issued in	Structure	Date
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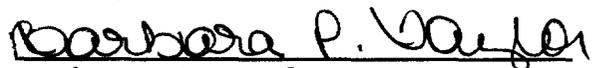
CERTIFICATE OF SERVICE

I, Barbara P. Taylor, a secretary in the law office of Baraff, Koerner, Olender & Hochberg, P.C., do hereby certify that on this 30th day of September, 1992, copies of the foregoing document were sent first class United States mail, postage prepaid to the following:

Honorable John M. Frysiak*
Administrative Law Judge
Federal Communications Commission
2000 L Street, N.W.
Room 223, Mail Stop
Washington, D.C. 20554

James Shook, Esq.*
Federal Communications Commission
Hearing Branch, Mass Media Bureau
2025 M Street, N.W.
Room 7212, Mail Stop
Washington, D.C. 20554

David M. Hunsaker, Esq.
Putbrese, Hunsaker & Ruddy
6800 Fleetwood Road, Suite 100
P.O. Box 539
McLean, VA 22101


Barbara P. Taylor

*Via Hand Delivery

FIGURE 4B
ALLOCATION STUDY DETAIL

prepared September 1992 for
He's Alive, Inc.
Murrysville, Pennsylvania

Ch 201A 0.2 kW (MAX-DA) 74 m

Suffa and Cavell, Inc.
Consulting Engineers - Fairfax, VA

54 dBu F(50,10)
60 dBu F(50,50)

Proposed
Murrysville

79° 37' 30"

SCALE 1:100 000

40° 22' 30"



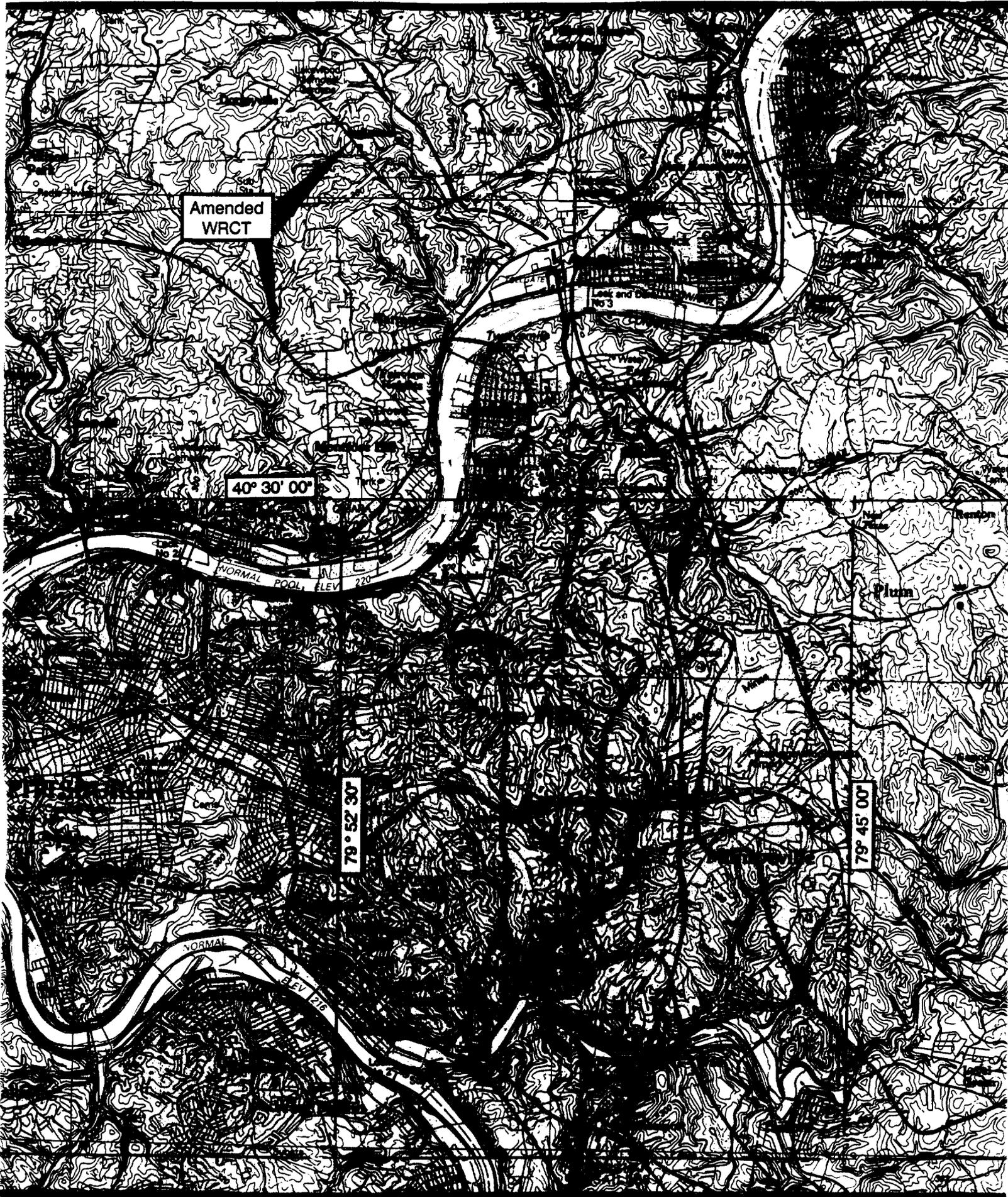
Amended
WRCT

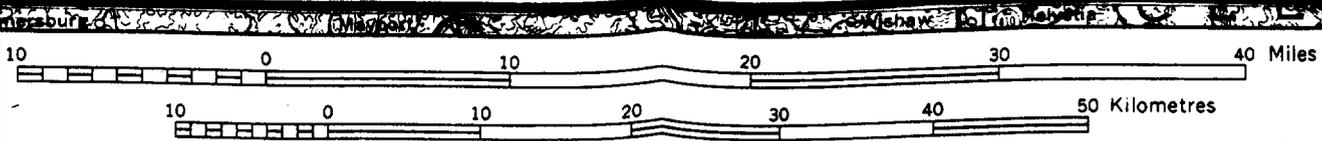
40° 30' 00"

79° 52' 30"

79° 45' 00"

Plum





ery Rock, PA
1 kW 24 m

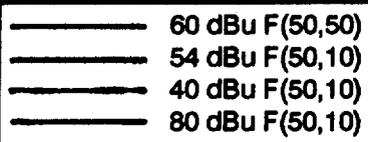
FIGURE 4A
CH 201A ALLOCATION STUDY

prepared September 1992 for
He's Alive, Inc.
Murrysville, Pennsylvania

Ch 201A 0.2 kW (MAX-DA) 74 m

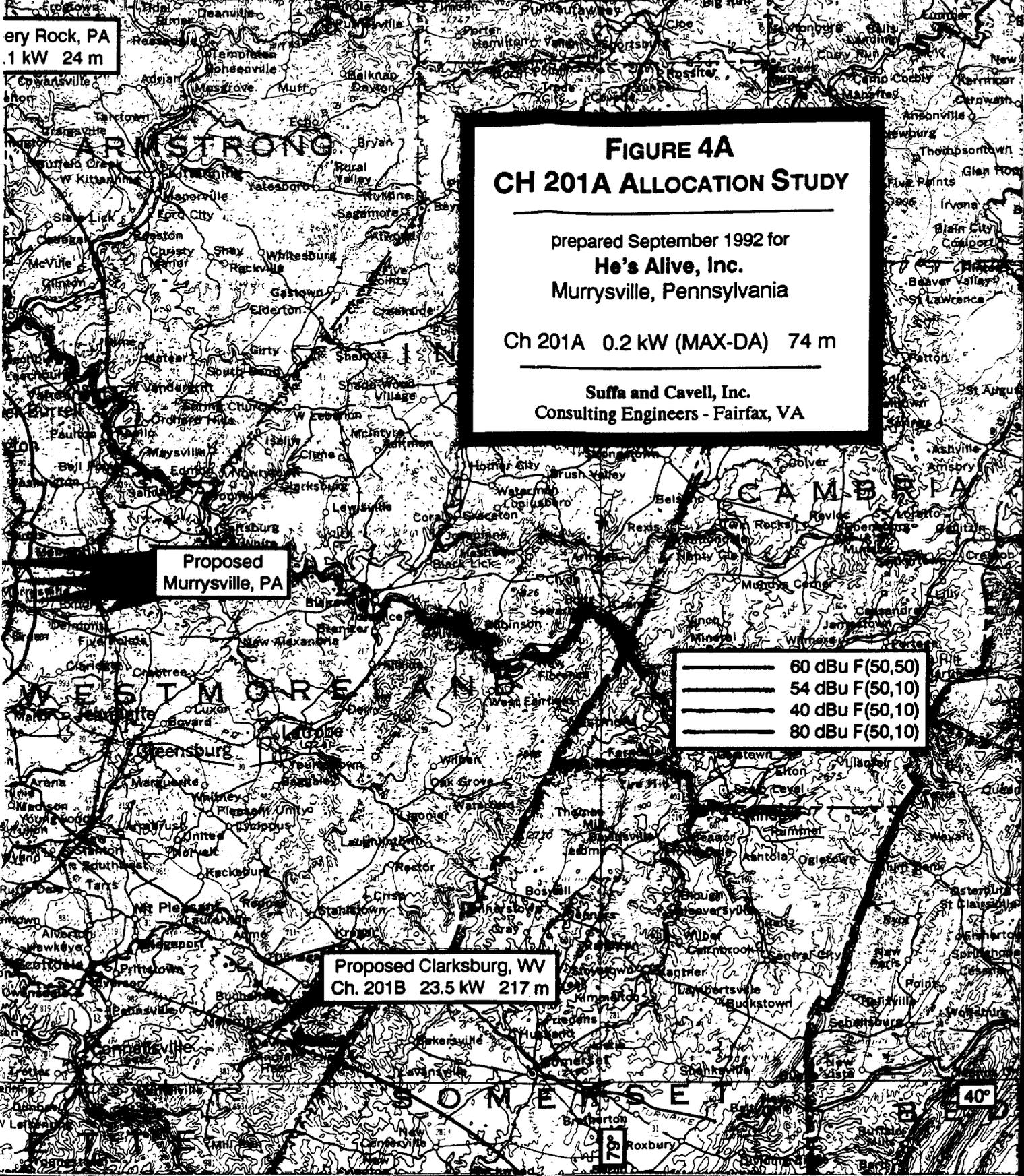
Suffa and Cavell, Inc.
Consulting Engineers - Fairfax, VA

Proposed
Murrysville, PA



Proposed Clarksburg, WV
Ch. 201B 23.5 kW 217 m

40°



41°

WRSK Slipp
Ch. 201A 0.

WVBC Bethany, WV
Ch. 201A 1.1 kW 125 m

Amended WRCT Application
Ch. 202A 1.77 kW 16 m

80

