

## CH#205C2- 88.9 MHz

INTERFERENCE CHECKS WITH HSHC MACON AT N. LAT. 32 46 55 W. LNG. 83 41 39  
 HOLY SPIRIT HARVEST CHURCH  
 PWR = 12 kW H.A.A.T = 110.4 M  
 60 dBu = 34.21 40 dBu = 100.15 54 dBu = 52.9 80 dBu = 11.67 100 dBu = 3.42

CH.#	CALL LOCATION	TYPE	* IN *	* OUT *	BEARING <---	DISTANCE	LAT. LONG.	PWR(KW) HAAT	INT. FILE #	PRO.
203C1	WRASC ATLANTA GA	AC	57.5	47.1	331.0 151.0	114.4KM 71.1Mi	33 41 4 84 17 23	100.00 132.6M	22.74 BMPED	55.69 860509IC
203C	WRAS ATLANTA GA	LI	83.2	81.6	331.3 151.3	130.1KM 80.8Mi	33 48 40 84 21 50	19.50 103.6M	12.63 BLED	36.79 854
205D	W205AA NOTASULGA AL	AC	125.6	67.0	264.0 84.0	170.3KM 105.9Mi	32 37 19 85 30 5	0.01 0.0M	10.55 BPFT	3.18 860529TF
205D	W205AA NOTASULGA AL	LID	112.9	63.4	264.0 84.0	170.3KM 105.9Mi	32 37 19 85 30 5	0.01 138.1M	23.20 BLFT	6.79 860502TC
205C	WMBW CHATTANOOGA TN	LI	65.6	103.6	327.2 147.2	287.6KM 178.7Mi	34 57 43 85 22 40	100.00 460.2M	187.72 BLED	83.80 821020AW
205D	WXGC *** MILLEDGEVILLE GA	LI	9.6	-49.0	52.7 232.7	54.3KM 33.8Mi	33 4 44 83 13 55	0.01 0.0M	10.55 BLED	3.18 1417
205A	CP205 * ATHENS GA	AC	27.4	5.8	8.5 188.5	126.1KM 78.4Mi	33 54 25 83 29 35	1.33 100.0M*	63.57 BPED	19.74 831227AF
206A	WBCXC GAINESVILLE GA	AC	102.8	94.7	355.8 175.8	170.7KM 106.1Mi	34 19 1 83 49 45	0.83 165.8M	33.64 BMPED	23.08 840820AJ
206D	W206AA BACONTON, ETC GA	ACD	102.5	85.2	199.1 19.1	141.3KM 87.8Mi	31 34 40 84 11 3	0.01 0.0M	4.52 BPFT	3.18 860529TG
206C	AP206 AIKEN SC	AP	71.0	78.8	68.3 248.3	186.4KM 115.8Mi	33 24 15 81 50 19	10.00 376.7M	81.22 BPED	54.77 840629IO
207C	WRFG ATLANTA GA	LI	79.6	78.4	328.2 148.2	126.1KM 78.4Mi	33 44 56 84 24 26	24.30 89.9M	12.36 BLED	36.07 810918AH
208A	CP208 WINDER GA	AC	98.5	118.9	357.6 177.6	134.3KM 83.5Mi	33 59 32 83 45 15	0.53 55.5M	1.61 BPED	11.99 831129AF
208C2	WYFKC COLUMBUS GA	AC	79.1	65.8	263.9 83.9	118.9KM 73.9Mi	32 40 3 84 57 19	50.00 133.8M	5.62 BPED	49.67 841220MD

## I.F. RELATIONSHIPS:

NONE FOUND

\* Actual radial antenna height above average terrain used toward reference

\*\*\* This is a Class D, secondary station

Reading the Computer Print-Out  
Exhibit # 4b

The attached print-out shows all stations having a frequency and distance relationship with the given channel. The print-out should be self-explanatory for the most part. The parameters of the station being checked, (reference station) are printed in the heading. The 60 dBu protected contour is predicted from the Commission's F(50-50) table, while the 40, 54, 80 and 100 dBu contours are interference contours derived from the Commission's F(50-10) table. All contours are in kilometers and are predicted according to the requirements of Sec. 73.509 of the Rules, using data points identical to those published in Report No. RS 76-01 by Gary C. Kalagian. When interference contour distances are less than 16 kilometers the F(50-50) tables are used. When using this table, if distances are less than 1.6 KM the free-space equation is used to determine the extent of the predicted contour.

The column labeled "\* IN \*" shows the simple distance in kilometers between the reference station's 60 dBu protected contour and the data file station's interference contour. This distance is derived by adding the distance of the two contours and subtracting the sum from the actual distance between the stations, as derived from methods detailed in Sec. 73.208 of the Rules and Regulations as amended in Docket 80-90. Therefore, the column is a measure of incoming interference. Negative distances in this column indicate the presence of interference. (Note: interference is caused by WXGC, a co-channel, class D, secondary station in Milledgeville, Georgia.)

The column labeled "\* OUT \*" shows the number of kilometers of overlap or clearance between the reference station's interference contour and the data base station's protected contour. Negative distance figures in this column indicate outgoing interference.

Under the "BEARING" column, the first row of numbers indicates the bearing from true north of the data base station from the reference station, while the numbers in the second row indicate the reverse bearing.

All listed antenna heights are the averages of the height above average terrain of eight radials as found in the Commission's data base, with the exception of the HAAT of CP 205, Athens, Georgia, channel 205, which has a critical relationship with the proposed station. The reference station's antenna height used in this study is its height above average terrain, except in the case of CP205, where the exact radial HAAT is used.

The columns labeled "INT" and "PRO" hold the distance of the appropriate interference contour and the protected contour of data base stations having both a distance and frequency relationship.

The "TYPE" column lists the status of the facility, ie. "AC" for American construction permit, "CC" for Canadian construction permit, "LI" for license or "AP" for application. If the letter "D" appears after the first two letters in the type column the facility is directional.

No intermediate frequency relationships were found.

EXHIBIT #5  
CHANNEL SIX STUDY

Concerning the Application of  
Holy Spirit Harvest Church  
Macon, Georgia

Nov. 21, 1986

Channel 205

12 kW

This engineering statement shows the applicant's compliance with the Commission's rules, adopted June 30, 1985, relating to channel-six interference which may be caused by the proposed facilities. Under Section 73.525 (Table A) of the Commission's Rules and Regulations, FM stations operating on channel 205, 88.9 MHz. must be located at least 225 km from any channel-six television station in order to set aside the specific process of determining whether interference may be caused. In the case of the instant proposal, the nearest channel-six television station is WJBF-TV in Augusta, Georgia. Using the distance measurement technique as per section 73.208, as amended by Docket 80-90 for metric, WJBF-TV is found to be 186.43 km from the proposed station. Therefore, the proposed channel 205 facility, operating at 12 kW from 121.2 meters height above average terrain is within the qualifying distance and further consideration is hereby given.

Based upon its average antenna height and effective radiated power, the 47 dBu, grade B, F(50-50) contour of WJBF-TV travels 112.99 km. Using Figure 2 "FM/TV 6 Protection Ratios Based on Median Receivers", the U/D ratio for NCE stations on channel 205 is 18.0 dB, (12.0 dB plus six dB for the TV antenna directional correction, since the proposed facility is outside the WJBF-TV grade A and within the proper arc to credit the six dB.) Therefore, the proposed FM station will cause interference at the point where its 65.0 dBu (47 + 18.0) F(50-10) interference contour crosses the WJBF-TV F(50-50), 47 dBu protected contour. The proposed facility's 65.0 dBu interference contour travels 30.2 km, using the average HAAT antenna height figure of 121.2 meters and the proposed ERP of 12 kW. Since 186.43 km separates the stations, some 43.24 km (186.43 - (112.99 + 30.2)) of clear-space exists before interference will be caused.

Attached to this exhibit as page two is a channel-six data sheet showing the appropriate contour distances and other pertinent facts.

No other channel-six television station is within the cut-off distance.

Doug Vernier

11/17/86

VERNIER - CONSULTANT

## FM - CHANNEL SIX TV RELATIONSHIPS LISTING

TBA FM MACON GA

DATA SHEET

N. LAT. = 32 46 55  
 W. LNG. = 83 41 39

F(50-50) Contours:

H.A.A.T. = 121.2 M, 397.8 F\*  
 PWR = 12 K.W.  
 CHAN = 205 / 88.9 MHz.

60 dBu (1 mV/m) = 36.4 KM  
 54 dBu (.5 mV/m) = 47.76 KM  
 34 dBu (50 uV/m) = 93.59 KM.

F(50-10) Interference Contours (KM):

100 dBu = 3.67	86 dBu = 8.50	72 dBu = 20.40	58 dBu = 45.19
98 dBu = 4.19	84 dBu = 9.73	70 dBu = 23.25	56 dBu = 49.99
96 dBu = 4.71	82 dBu = 10.97	68 dBu = 26.10	54 dBu = 55.37
94 dBu = 5.34	80 dBu = 12.23	66 dBu = 28.95	52 dBu = 60.74
92 dBu = 6.01	78 dBu = 13.70	64 dBu = 31.80	50 dBu = 66.51
90 dBu = 6.73	76 dBu = 15.16	62 dBu = 36.10	48 dBu = 73.09
88 dBu = 7.53	74 dBu = 17.56	60 dBu = 40.65	46 dBu = 79.67

TV STATIONS WITH DISTANCE RELATIONSHIPS:  
 Cutoff distance for channel 205 = 225 KM

06+ WJBF , AUGUSTA GA 186.43 KM, 115.84 Mi. 68.3 Deg.  
 100 K.W. 417.6 M. 28.73 dBu | 39.62 dBu  
 47 dBu = 112.99 KM. 68 dBu = 61.84 KM  
 N. LAT. 33 24 15 W. LNG. 81 50 19

F(50-50) Protected Contours (KM), &amp; U/D in dB:

47 dBu = 112.99, 12.0	57 dBu = 87.84, 7.6	67 dBu = 64.06, 3.7
48 dBu = 110.27, 11.6	58 dBu = 85.57, 7.2	68 dBu = 61.84, 3.4
49 dBu = 107.61, 11.1	59 dBu = 83.31, 6.8	69 dBu = 59.62, 3.1
50 dBu = 104.95, 10.7	60 dBu = 81.04, 6.3	70 dBu = 57.41, 2.9
51 dBu = 102.29, 10.3	61 dBu = 78.65, 5.9	71 dBu = 55.19, 2.6
52 dBu = 99.63, 9.8	62 dBu = 76.21, 5.5	72 dBu = 52.97, 2.4
53 dBu = 96.97, 9.4	63 dBu = 73.77, 5.1	73 dBu = 50.75, 2.1
54 dBu = 94.64, 8.9	64 dBu = 71.34, 4.8	74 dBu = 48.53, 1.9
55 dBu = 92.37, 8.5	65 dBu = 68.90, 4.4	75 dBu = 46.57, 1.7
56 dBu = 90.11, 8.0	66 dBu = 66.47, 4.1	76 dBu = 44.64, 1.5

6Z WCTV , THOMASVIL GA 239.95 KM, 149.1 Mi. 191.8 Deg.  
 100 K.W. 313.9 M. 18.55 dBu | 28.38 dBu  
 47 dBu = 105.02 KM. 68 dBu = 55.39 KM  
 N. LAT. 30 39 46 W. LNG. 84 12 36

\* H.A.A.T. on 68.3 degree radial toward WJBF TV

EXHIBIT # 6  
BLANKETING DISCUSSION  
FORM 340, # 24

Holy Spirit Harvest Church  
Macon, GA

Nov. 20, 1986

By using the FM blanketing formula found in Section 73.310 of the Commission's Rules and Regulations, it can be determined that the 115 dBu blanketing contour of the proposed station travels 1.36 km or .85 Mi. This contour falls primarily over a number of community dwellings to the north and west. It is possible that residents in this area may receive some form of blanketing interference.

Holy Spirit Harvest Church understands its obligation to correct all legitimate blanketing caused by the facilities described in the instant proposal and reported it within the first year of operation. Corrective measures will include providing information on the relocation of antennas or, if the blanketing persists, the actual installation of FM traps tuned to the proposed output frequency.

Doug Vernier

ENVIRONMENTAL IMPACT STATEMENT:

This statement is made pursuant to the requirements of Sec. 1.1305 of the Federal Communication Commission's Rules and Regulations.

It is proposed that a 460' (140.2 meters) tower be installed on property owned by the applicant. The F.A.A. has been notified of the proposed structure. The tower will not be built in a designated wildlife area/preserve or in an area whose designation is pending. The tower will not affect districts, sites, buildings, structures or objects which are deemed significant in American history, architecture, archeology or culture and as such listed or eligible for listing in the National Register of Historic Places. The area has no special recognition, nationally or locally for its scenic or recreational values. The proposed tower will not require extensive change in surface features (e.g., wetland fill, deforestation or water diversion.)

Construction of the proposed facilities has not been a matter of environmental controversy.

As is the case for any tower structure, there will be some bird loss caused by the tower. However, the tower is not located in a migratory pathway, therefore the losses will be minimal. There should be no further environmental consequences resulting from the construction of the tower.

Nov. 1986  
Holy Spirit Harvest Church

EXHIBIT # 8  
R.F. RADIATION COMPLIANCE STATEMENT

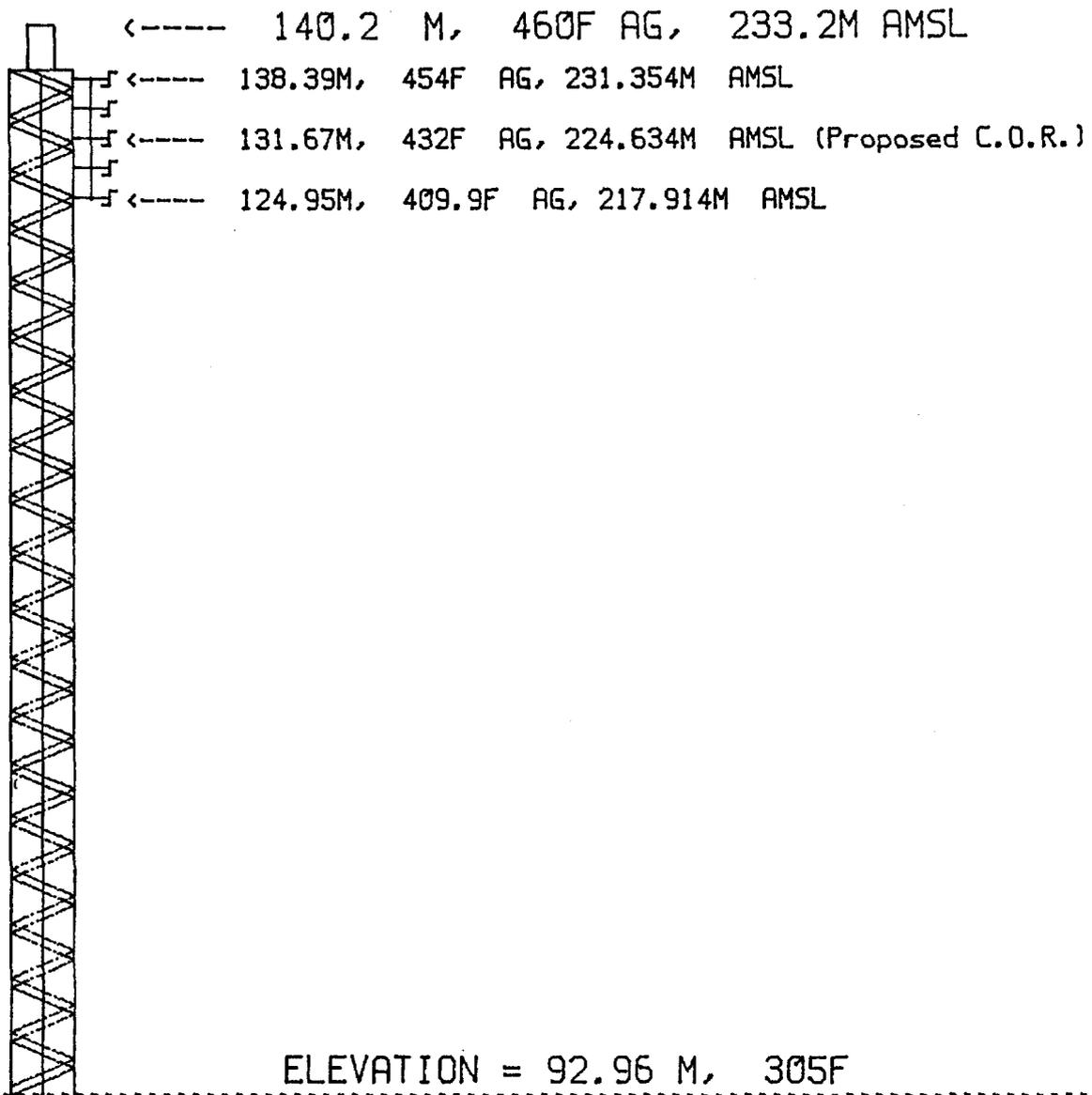
Holy Spirit Harvest Church  
Macon, GA

Nov. 20, 1986

Based on the formulas expressed in the OST Bulletin, No. 65, Oct. 1985, "Evaluating Compliance with F.C.C. Specified Guidelines for Human Exposure to Radio Frequency Radiation", published by the Federal Communication's Office of Science and Technology, the proposed station, operating with a five bay antenna, having a total maximum E.R.P. of 24 kW (horizontal plus vertical), and a maximum vertical field of 1 at a minus 90 degree, will produce a maximum R.F. radiation level of .042 milliwatts per square centimeter at a distance of 131.6 meters from the antenna center, which is at the base of the tower. This figure amounts to 4.62 percent of the maximum ANSI standard of 1 milliwatt per square centimeter.

Consequently, the proposed facility is in compliance with the Commission Rules regarding exposure to workers or the general public to levels of radio frequency radiation in excess of the American National Standard Safety levels with respect to human exposure to radio frequency electromagnetic fields, 300 KHz to 100 GHz. (ANSI 95.1-1982)

Doug Vernier



VERTICAL SKETCH

Uniform cross section  
guyed tower, painted and  
lighted as per F.A.A.

Ant = Harris FMH-5AE

(Not to Scale)

EXHIBIT #9

Ch 205 12 kW 110.4M HAAT  
Holy Spirit Harvest Church  
Macon, GA

Nov. '86

DOUG VERNIER  
BROADCAST CONSULTANT  
1600 PICTURESQUE DR.  
CEDAR FALLS, IA 50613  
319 266-7435

EXHIBIT A-1  
EDUCATIONAL PROGRAM

EXHIBIT A-1

The proposed Radio Station will bring to Macon, Georgia and the surrounding area, high quality, religious and educational programming which will compliment the educational process within the churches and schools in Macon.

EXHIBIT A-2

EXPLANATION OF NON-PROFIT STATUS

EXHIBIT A-2

As stated in Article 4 of Article of Incorporation for Holy Spirit Harvest Church (see exhibit A4 for Articles of Incorporation). The corporation is organized to form and conduct a religious, charitable and educational entity for the promotion of Christianity and all matters incidental thereto.

And as stated in Article 8, Holy Spirit Harvest Church, Incorporated, is exempt from Federal Income Tax under Section 501(C) (3) of the Internal Revenue Code of 1954 and is a non-profit corporation. Therefore, there are no stockholders.

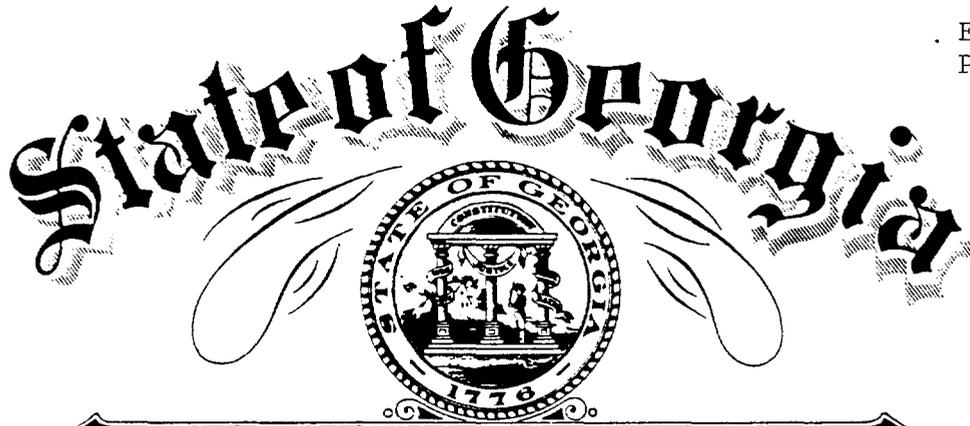
EXHIBIT A-3  
PROGRAM SERVICE STATEMENT

EXHIBIT A-3

The applicant seeks, by the establishment of the herein proposed station, to bring to Macon, Georgia and the surrounding area, high quality, religious and educational programming which will compliment the educational process within the churches and schools in Macon and will bring a cultural and philosophical balance to the broadcast programming available in the community.

The programming policies of the station will be to maximize the religious, educational and cultural benefit to the community, and to present balanced views of important issues in the community in a fair manner consistent with the objectives of the F.C.C. Fairness Doctrine.

EXHIBIT A-4  
ARTICLES OF INCORPORATION



**OFFICE OF SECRETARY OF STATE**

*I, Max Cleland, Secretary of State of the State of Georgia, do hereby certify that*

the articles of incorporation of "WORD OF LIFE FELLOWSHIP, INC." have been duly restated and amended under the laws of the State of Georgia changing its name to "HOLY SPIRIT HARVEST CHURCH, INC.", on the 29th day of January, 1986, and have been amended by the filing of restated articles of incorporation in the office of the Secretary of State and the fees therefor paid, as provided by law, and that attached hereto is a true copy of said restated articles of incorporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seal of my office, at the Capitol, in the City of Atlanta, this 29th day of January in the year of our Lord One Thousand Nine Hundred and Eighty Six and of the Independence of the United States of America the Two Hundred and Ten.

*Max Cleland*

SECRETARY OF STATE  
COMMISSIONER OF CORPORATIONS \*

RESTATEMENT  
OF  
ARTICLES OF INCORPORATION  
OF  
WORD OF LIFE FELLOWSHIP, INC.

1.

The name of the corporation is: Holy Spirit Harvest Church, Inc.

2.

That the corporation is organized pursuant to the provisions of the Georgia Nonprofit corporation code.

3.

The corporation shall have perpetual duration.

4.

The corporation is organized for the following purposes: to form and conduct a religious, charitable and educational entity for the promotion of Christianity and all matters incidental thereto.

5.

The affairs of the corporation shall be managed by a Board of Directors. The method of election of said directors shall be determined by the By-Laws of this corporation.

6.

The corporation shall have the power to admit members in such manner subject to such qualifications and upon such

terms and conditions with such rights as may be provided from time to time in the By-Laws of the corporation.

7.

In the event the operation of the church shall permanently cease, all the assets of the corporation shall be distributed to or its assets sold and the proceeds distributed to, another organization organized and operating for the same purposes for which this corporation is organized and operating, or to one or more corporations, funds or foundations organized and operating exclusively for religious and charitable purposes, which shall be selected by the Board of Directors of the corporation. In the event that for any reason under the dissolution of the corporation, the Board of Directors of the corporation shall fail to act in the manner herein provided within a reasonable time, the senior judge of the Superior Court of Bibb County shall make such distributions as herein provided upon the application of one or more persons having a real interest in the corporation or its assets.

8.

Notwithstanding any other provisions of these Articles, this corporation will not carry on any other activities not permitted to be carried on by (a) a corporation exempt from Federal Income Tax under Section 501 (c)(3) of the Internal Revenue Code of 1954 or the corresponding provisions of any future United States Internal Revenue Law, or (b) a

corporation contributions to which are deductible under Section 170 (c) (2) of the Internal Revenue Code of 1954 or any other corresponding provision of any future United States Internal Revenue Law.

9.

This restatement purports merely to restate all those provisions then in effect not being amended by such new amendment or amendments. The changes and additions include a change of the name of the corporation from Word of Life Fellowship, Inc. to Holy Spirit Harvest Church, Inc.

10.

The restatement of the Articles of Incorporation were authorized by the Directors on April 8, 1985.

11.

The restatement was authorized by the Directors without a vote of the members being required and the vote required to adopt the restatement was three and the number of directors who voted for the restatement was five.

12.

The restated articles supercede the original Articles of Incorporation as theretofore amended.

IN WITNESS WHEREOF, the undersigned has executed this restatement of Articles of Incorporation and have affixed

their hands and seals this the 15<sup>th</sup> day of November,  
1985.

WORD OF LIFE FELLOWSHIP,  
INC. (original name)  
HOLY SPIRIT HARVEST CHURCH  
INC. (amended name) (SEAL)

BY: *Samuel A. Reynolds*  
President

ATTEST: *James H. Reynolds*  
Secretary

RECEIVED  
DEC 13 1 49 PM '85  
SECRETARY OF STATE

SECRETARY OF STATE  
JAN 29 11 57 AM '86