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Federal Communications Commission  
Office of the Secretary

ORIGINAL  
FILE

May 2, 1992

Ms. Donna Searcy  
Secretary  
Federal Communications Commission  
1919 M Street, N. W.  
Washington, D. C. 20554

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Dear Ms. Searcy:

FCC MAIL ROOM

You will find enclosed the original and five copies of our Petition for Rulemaking to amend Section 73.202(b) of the FM Table of Allotments to upgrade Channel 255A to Channel 255C3 at Lebanon, Tennessee.

Sincerely yours,

BAY POINTE BROADCASTING, INC.

By Susan H. Bay  
Susan H. Bay  
President

Bay Pointe Broadcasting, Inc.  
704 Silver Meadow Drive  
Lebanon, Tennessee, 37087  
615-449-4630

Before the  
FEDERAL COMMUNICATIONS COMMISSION  
Washington, D. C. 20554

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In the Matter of )  
Amendment of Section 73.202(b), )  
Table of Allotments, )  
FM Broadcast Stations, )  
(Lebanon, Tennessee) )

MM Docket No. )  
RM )  
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To: The Chief, Allocation Branch

MAY - 5 1992

PETITION FOR RULEMAKING

Federal Communications Commission  
Office of the Secretary

Bay Pointe Broadcasting, Inc., permittee of a new FM radio station at Lebanon, Tennessee, File No. BPH-890111MA, pursuant to the Commission's Rules and Regulations, herewith submits this proposal to upgrade its facilities from Class A to Class C3 status, operating on Channel 255.

As shown in the attached Engineering Statement of William O. Barry, the requested allotment may be made in compliance with all correct Commission allotment and separation standards. By granting this request, the Commission need make no other amendment to the Table of FM Allotments.

Bay Pointe Broadcasting, Inc., additionally requests that the Commission modify its construction permit to specify operation with Class C3 facilities on Channel 255.

Respectfully submitted,  
BAY POINTE BROADCASTING, INC.

By Susan H. Bay  
Susan H. Bay  
President

Bay Pointe Broadcasting, Inc.  
704 Silver Meadow Drive  
Lebanon, Tennessee, 37087  
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ENGINEERING STATEMENT  
OF  
WILLIAM O. BARRY

William O. Barry makes this engineering statement in support of Bay Pointe Broadcasting, Inc., holder of a construction permit to build a new FM broadcast station on Channel 255A at Lebanon, Tennessee, and petitioner for changes in the FM Broadcast Station Table of Assignments, Rule 73.202(b).

Bay Pointe advances the following proposal:

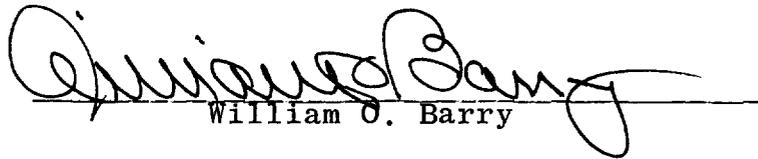
<u>CITY</u>	<u>CHANNEL NUMBER</u>	
	<u>Present</u>	<u>Proposed</u>
Lebanon, Tennessee	255A, 298C1	255C3, 298C1

Exhibit # 1 attached to this statement is an allocation study using the Commission's specified method of distance computation demonstrating that Channel 255 can be upgraded from Class A to C3.

Using a proposed transmitter location of NL 36° 18' 35" WL 86° 04' 00", Channel 255C3 operating with maximum facilities of 25KW ERP with an antenna height of 100 meters above average terrain would place its 3.16 mV/m city grade service over all of Lebanon. Average terrain was determined to be 193 meters. Exhibit # 2 is a tabulation of 8 radials with height above terrain and contour projections. Exhibit # 3 is a map with the predicted 3.16 mV/m contour toward Lebanon. An additional radial, 242°,

Bay Point Broadcasting,  
page 2

was drawn through Lebanon and topographic data was studied along this radial across Lebanon. There was no point along this radial that was as high above mean sea level as the proposed tower site with an antenna 100 meters above average terrain.

  
William O. Barry

April 30, 1992  
615-889-1960  
429 West Spring Street  
Lebanon, TN 37087

Exhibit # 1

BAY POINTE BROADCASTING, INC.  
LEBANON, TENNESSEE  
CHANNEL 255C3

Reference Point:       NL 36-18-35               WL 86-04-00

<u>CHANNEL</u>	<u>STATION</u>	<u>REQ SPC</u>	<u>ACT SPC</u>
252C3	WDNS, Bowling Green, KY	41.5 KM	83.0 KM
253C2	WHUB, Cookeville, TN	55.5 KM	57.0 KM
253A	WKYR, Burkesville, KY	41.5 KM	81.6 KM
254C1	WHOP Hopkinsville, KY	143.5 KM	144.1 KM
255B	WSLM, Salem, IN	210.5 KM	228.4 KM
256C	WAHR, Huntsville, AL	175.5 KM	175.6 KM
256A	WKNK, Edmonton, KY	88.5 KM	91.9 KM
257A	WLCK, Scottsville, KY	41.5 KM	48.8 KM
258C	WKDQ, Henderson, KY	95.5 KM	218.3 KM
201A	WFSK, Nashville, TN	11.5 KM	68.1 KM
202	No Stations of Interest		

METRIC

TABULATION OF TV/FM CONTOUR CALCULATIONS ON CHANNEL 255

AZIMUTH	ERP, KW.	HRAAT (M)	3,160/50X	1/50X
0	25	103.328	24.0186	39.0964
45	25	62.7895	18.8816	31.7483
90	25	96.9275	23.2075	37.9036
135	25	96.6227	23.1609	37.8468
180	25	87.4786	22.0102	36.1428
225	25	106.376	24.4049	39.6644
270	25	115.825	25.6022	41.4252
315	25	130.760	27.0341	43.5609

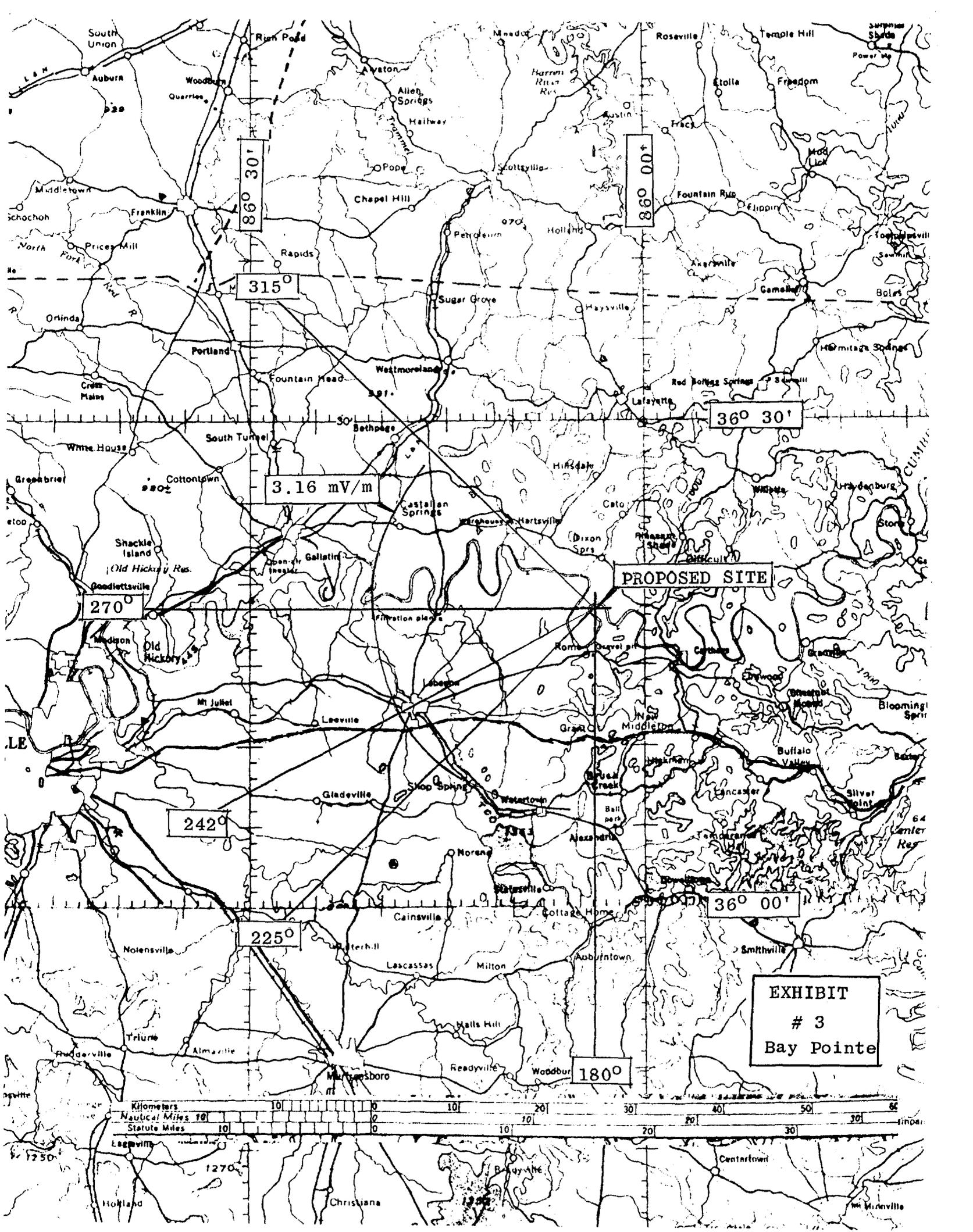
OVERALL HEIGHT ABOVE AVERAGE TERRAIN = 100.01371 (M)

ALL HEIGHTS IN METERS. ALL CONTOUR DISTANCES IN KILOMETERS.

ALL CONTOURS IN MU/M AS DETERMINED BY BIVARIATE INTERPOLATION USING VALUES FROM APPROPRIATE FCC F(50,50) AND F(50,10) CURVES.

FM BLANKETING CONTOUR 115 dbu = 1.23 MILES, 1.97 KM. CALCULATED PURSUANT TO R&R 73.318(a) FOR MAXIMUM ERP.

BEARING DEG.	3-16 KM. ELEVATION	
	METERS	FEET
0.0	189.9	623
45.0	230.3	756
90.0	196.3	644
135.0	196.5	645
180.0	205.6	675
225.0	186.9	613
270.0	177.4	582
315.0	162.4	533
AVERAGE:	193.2	634



36° 30'

36° 00'

315°

36° 30'

3.16 mV/m

PROPOSED SITE

270°

242°

225°

36° 00'

180°

EXHIBIT  
# 3  
Bay Pointe

