

ENGINEERING STATEMENT  
OF  
GARY M. BROWN

This engineering statement is presented by Bay Pointe Broadcasting, Inc., licensee of WANT (FM), Channel 255A, Lebanon, Tennessee, facility No. 4103.

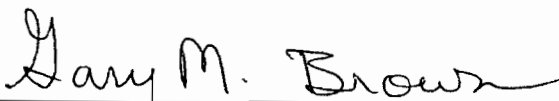
The applicant proposes to move its transmitter and antenna 11.3 KM southwest of its present location and increase its ERP to 5.34 KW.

A study from the new site was made of the allotments and assignments on the same channel and the three upper and lower adjacent channels. The new site meets all spacing requirements except to WAHR, Channel 256C, Huntsville, Alabama, where it is short spaced 12.5 KM.

WAHR is licensed with 100 KW ERP and an antenna height above average terrain (HAAT) of 300 meters. Rule 73.211(2) requires Class C stations to have at least 451 meters HAAT.

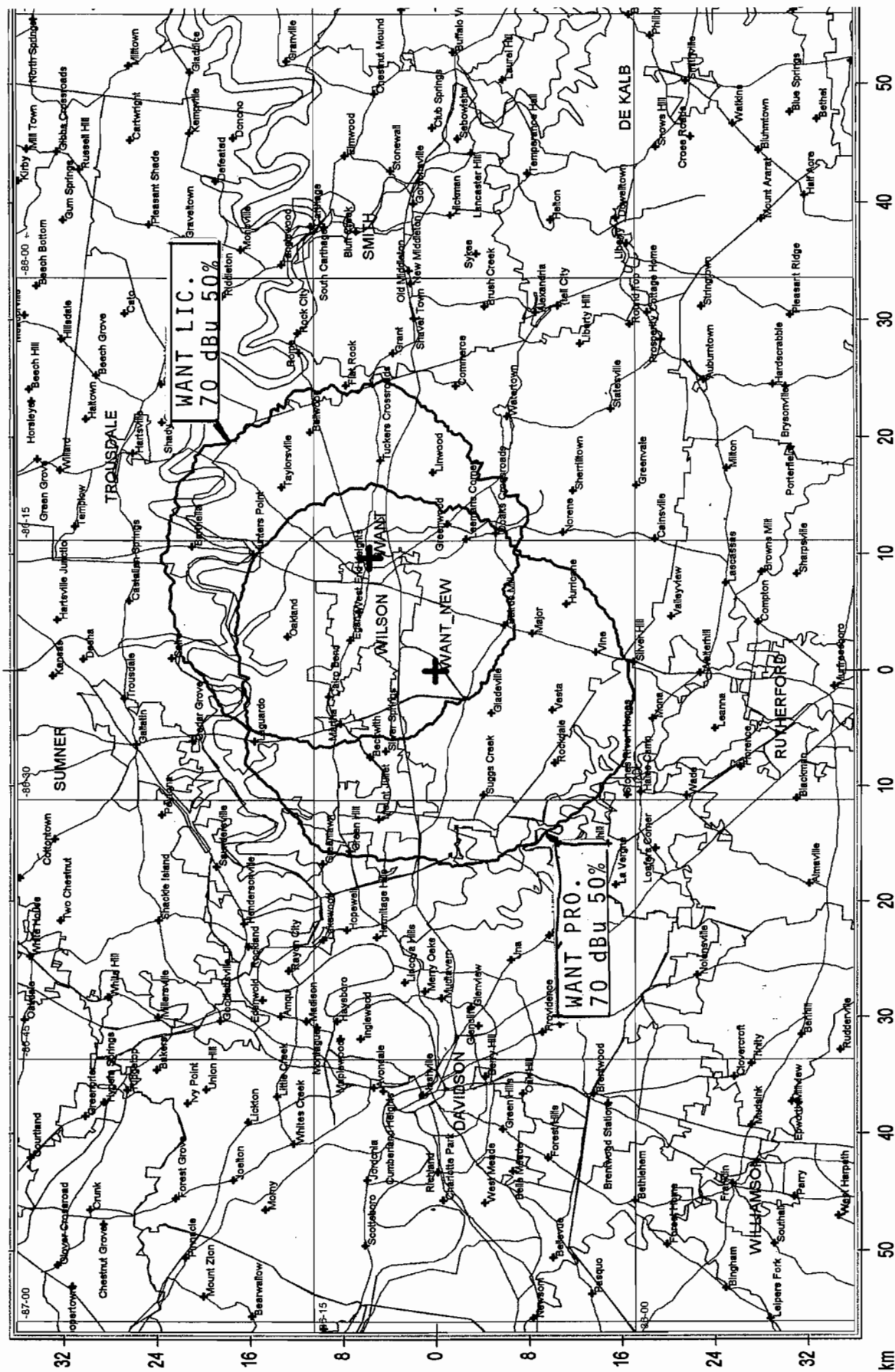
Since WAHR is licensed with less than 451 meters HAAT, the applicant in accordance with Rule 73.3573, Note 4, requests that WAHR be reclassified as a Class CO station and this application be processed under Rule 73.207.

I certify that no alternative channel is available for the proposed service.

  
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Gary M. Brown  
Technical Consultant

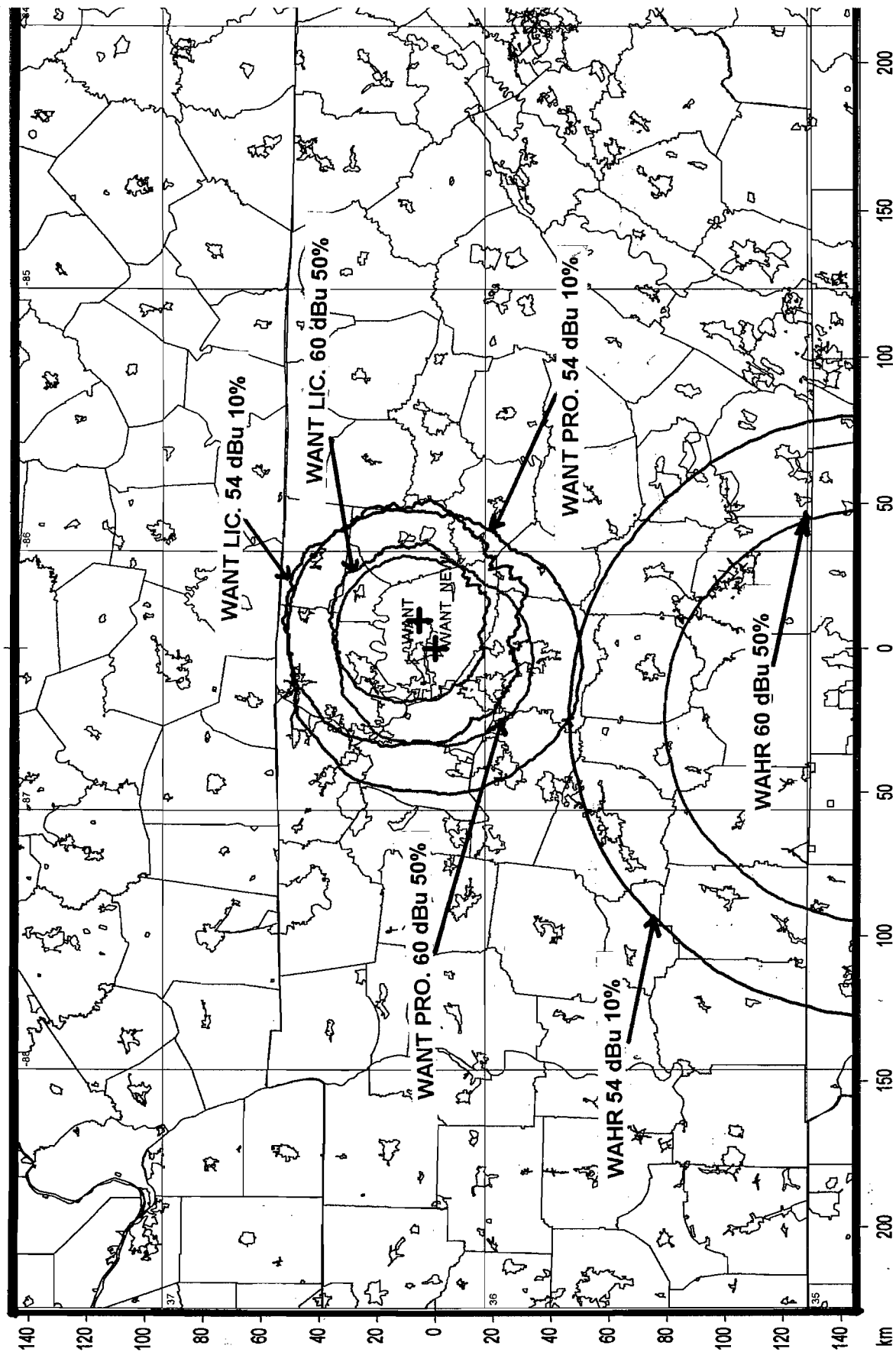
# Bay Pointe Broadcasting, Inc.

## City Grade Coverage



Bay Pointe Broadcasting, Inc.

Contour Coverage



Bay-pointe Broadcasting, Inc.

CONTOUR OVERLAP STUDY

REFERENCE  
36 09 20.0 N.  
86 22 33.0 W.

CH# 255A - 98.9 MHz, Pwr= 5.34 kW, HAAT=105.9 M, COR= 298.7 M  
Average Protected F(50-50)= 28.31 km

DISPLAY DATES  
DATA 07-26-07  
SEARCH 08-22-07

CH CITY	CALL	TYPE STATE	ANT	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
255A Lebanon	WANT	LIC TN	NCN	59.7 239.8	11.30 BLH19931206KA	36 12 24.0 86 16 02.0	5.000 97	0.0 287	0.0 Bay-pointe Broadcasting, I	91.5R	-80.2M
255A Byrdstown	NEW«	CP TN	CX	72.4 253.2	126.46 BNPH20041227ABG	36 29 26.0 85 01 47.0	1.100 232	85.3 594	30.9 Susan Clinton	11.72	8.19
254C1 Hopkinsville	WHOP-FM«	LIC KY	NCX	309.7 129.0	135.46 BLH20041018ACH	36 55 41.0 87 32 50.0	100.000 189	93.6 366	63.0 Hop Broadcasting, Inc.	11.57	25.96
256C0 Huntsville	WAHR«	LIC AL	CN	189.1 8.9	152.51 BLH19891219KC	34 47 53.0 86 38 24.0	100.000 300	104.1 538	71.6 Bca Radio, Llc	19.06	35.77
253C2 Cookeville	WGIC«	LIC TN	NCN	90.7 271.3	81.78 BLH19910206KA	36 08 34.0 85 28 02.0	50.000 150	6.4 499	55.1 Cc Licenses, Llc	50.42	24.25
202A Murfreesboro	WMTS-FM	LIC TN	CX	176.6 356.6	34.09 BLED20040607AAH	35 50 56.0 86 21 11.0	0.680 42	0.0 234	0.0 Middle Tennessee State Uni	9.5R	24.6M
201A Nashville	WFSK-FM	LIC TN	HN	272.0 91.7	38.61 BMLED19820217AH	36 10 00.0 86 48 17.0	0.700 2	0.0 168	0.0 Fisk University	9.5R	29.1M
257A Scottsville	WVLE«	LIC KY	CN	15.4 195.5	67.33 BLH19960603KC	36 44 25.0 86 10 31.0	6.000 100	2.5 316	25.2 Skytower Communications Gr	34.46	39.22
257A Scottsville	WVLE«	CP KY	NCX	6.5 186.5	70.13 BPH20070404ABM	36 47 00.4 86 17 12.4	3.200 100	2.2 301	22.7 Skytower Communications Gr	38.38	44.55
256A Edmonton	WHSX«	LIC KY	CN	36.9 217.4	121.39 BLH19960508KB	37 01 33.0 85 33 14.0	6.000 100	43.8 358	28.3 Hart County Communications	46.60	45.71
256A Morgantown	AU7056557«	VAC KY	---	342.6 162.3	128.52 RM10128	37 15 34.0 86 48 40.0	6.000 100	44.0 245	28.5 Green River Radio Company	55.38	55.19
202A Shelbyville	WBIA	LIC TN	CN	185.7 5.6	75.14 BLED19990709KA	35 28 54.0 86 27 28.0	0.250 14	0.0 264	0.0 American Family Associatio	9.5R	65.6M
256A Morgantown	WWKN«	CP KY	NCX	345.7 165.4	130.48 BNPH20070430AAH	37 17 38.0 86 44 30.0	6.000 56	27.6 200	18.7 Independence Media Holding	73.67	66.77
202C2 Clarksville	WAYQ	LIC TN	DCX	280.7 100.1	84.98 BLED20031020ABN	36 17 36.0 87 18 20.0	14.000 227	0.0 416	0.0 Way-fm Media Group Inc.	14.5R	70.5M

Terrain database is USGS 03 SEC

ERP and HAAT are on direct line to and from reference station.

Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)

"«" = Station meets FCC minimum distance spacing for its class.

Bay-pointe Broadcasting, Inc.  
SPACING STUDY -WAHR C0 DOWNGRADE

REFERENCE

36 09 20.0 N.

86 22 33.0 W.

CLASS = A

Current Spacings

DISPLAY DATES

DATA 07-26-07

SEARCH 08-22-07

----- Channel 255 - 98.9 MHz -----

Call	Channel	Location		Azi	Dist	FCC	Margin
WANT	LIC-N 255A	Lebanon	TN	59.7	11.29	114.5	-103.21
WAHR	LIC 256C*	Huntsville	AL	189.1	152.50	151.5	1.00
WHOP-FM	LIC-N 254C1	Hopkinsville	KY	309.7	135.46	132.5	2.96
NEW.C	CP 255A	Byrdstown	TN	72.4	126.46	114.5	11.96
WMTS-FM	LIC 202A	Murfreesboro	TN	176.6	34.08	9.5	24.58
WGIC	LIC-N 253C2	Cookeville	TN	90.7	81.78	54.5	27.28
WFSK-FM	LIC 201A	Nashville	TN	272.0	38.61	9.5	29.11
WVLE	LIC 257A	Scottsville	KY	15.4	67.32	30.5	36.82
WVLE.C	CP -N 257A	Scottsville	KY	6.5	70.12	30.5	39.62
WHSX	LIC 256A	Edmonton	KY	36.9	121.39	71.5	49.89
AU7056557	VAC 256A	Morgantown	KY	342.6	128.52	71.5	57.02
WWKN.C	CP -N 256A	Morgantown	KY	345.7	130.47	71.5	58.97
WBIA	LIC 202A	Shelbyville	TN	185.7	75.13	9.5	65.63
WZKF	LIC 255B	Salem	IN	8.0	247.74	177.5	70.24
WAYQ	LIC-D 202C2	Clarksville	TN	280.7	84.97	14.5	70.47

\* indicates a class C downgraded to class C0