

MINOR CHANGE APPLICATION
APEX BROADCASTING, INC.
WJZX (FM) RADIO STATION
CH 259C1 - 99.7 MHZ - 70.0 KW
HOLLYWOOD, SOUTH CAROLINA
January 2003

EXHIBIT A

Shortspaced Facilities Utilizing Section 73.215

The WJZX proposed antenna location will be shortspaced to one other FM broadcast facility, WRNN, Channel 258C3, Socastee, South Carolina.² The detailed spacing information with regard to this station is shown on Exhibit A1. Apex Broadcasting, Inc., proposes to use the provisions of §73.215 of the Commission's rules to address this shortspaced situation. The shortage to this facility complies with §73.215(e) of the Commission's rules. The provisions of §73.215 will be met by specifying less than maximum Class C1 power and height.

Exhibit A2 specifically demonstrates that there will be no prohibited overlap between the proposed WJZX and either the authorized or applied for WRNN facilities. The contours of both WRNN facilities are based on a maximum effective radiated power of 25.0 kilowatts at 100 meters height above average terrain.³ Attached as Exhibits A3 through A6 are the tabulated distances to the protected and interfering contours, along pertinent arcs, of the proposed WJZX and both the authorized and applied for WRNN. Further, attached as Exhibit A7 are the tabulated and protected contours of the proposed facility, in ten degree increments. Again, there is no prohibited overlap between the facilities.

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- 2) The proposed WJZX site is shortspaced to both the licensed WRNN and applied for WRNN facilities.
- 3) Both WRNN facilities are operating, or are proposed to operate, with equivalent maximum Class C3 facilities. As such, the respective antenna centers of radiation were lowered to bring the HAAT to 100 meters, and power raised to 25.0 kilowatts for this §73.215 analysis.

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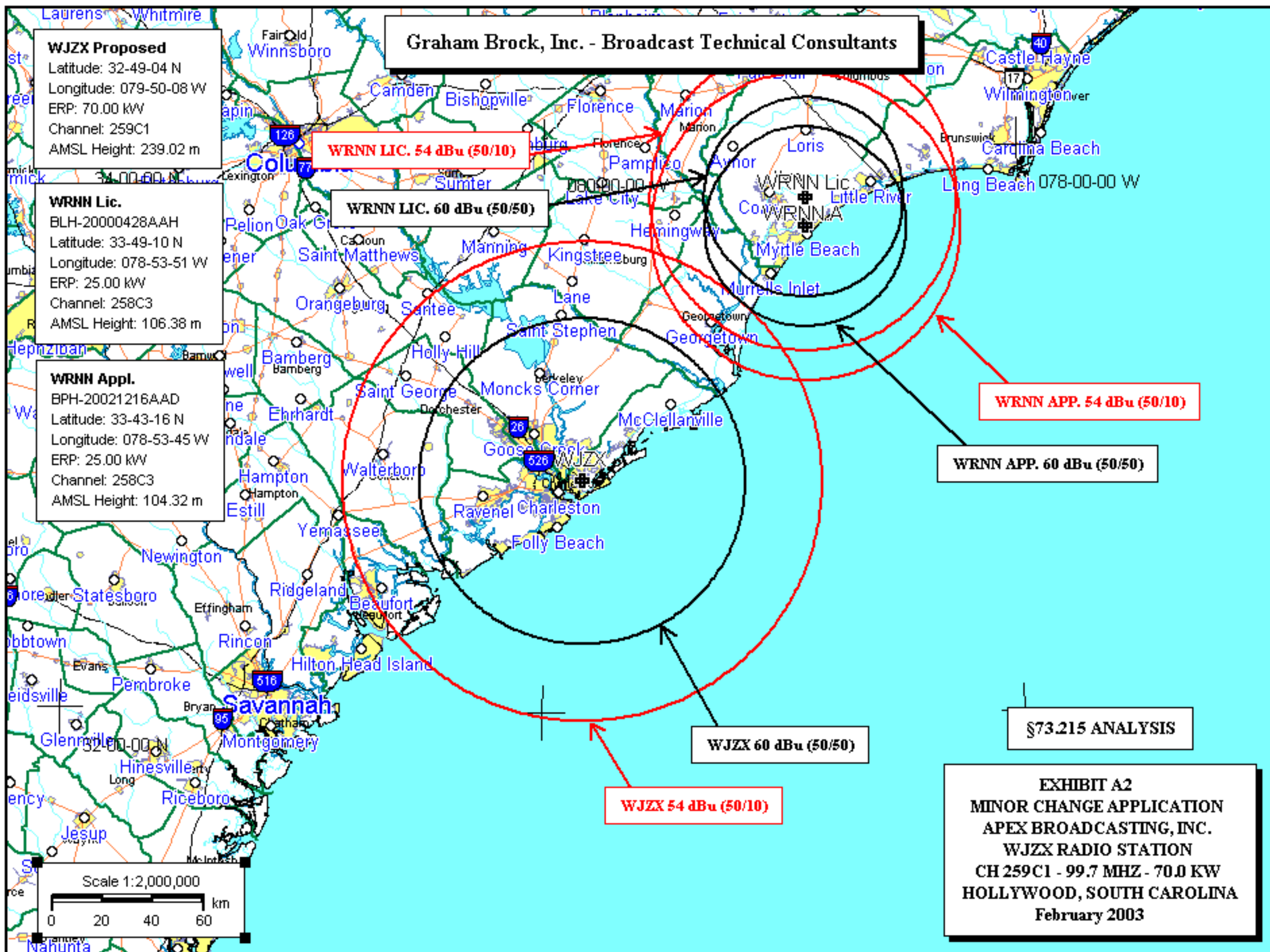
EXHIBIT A1

CLEARANCE STUDY FOR WJZX HOLLYWOOD, SOUTH CAROLINA
USING PROPOSED SITE AS REFERENCE

REFERENCE		DISPLAY DATES
32 49 04 N	CLASS C1	DATA 01-31-03
79 50 08 W	Current rules spacings	SEARCH 01-31-03
----- CHANNEL 259 - 99.7 MHz -----		

CALL TYPE	CH# LAT	CITY LNG	STATE PWR	BEAR' HT	D-KM D-Mi	R-KM R-Mi	MARGIN (KM)
WJZX	259C	Port Royal	SC	233.7	74.52	270.0	-195.48
LIC CN	32 25 10	80 28 30	100.000 kW	369M	46.3	167.8	
	Apex Broadcasting, Inc.			BLH-19880725KB			
ALOPEN	259C	Hollywood	SC	233.7	74.52	270.0	-195.48
RSV	32 25 10	80 28 30	0.000 kW	0M	46.3	167.8	
	> Reserved for WJZX per MB Docket #02-198						
* <i>WRNN.A</i>	<i>258C3</i>	<i>Socastee</i>	<i>SC</i>	<i>40.8</i>	<i>133.05</i>	<i>144.0</i>	<i>-10.95</i>
<i>APP CX</i>	<i>33 43 16</i>	<i>78 53 45</i>	<i>21.500 kW</i>	<i>108M</i>	<i>82.7</i>	<i>89.5</i>	
	<i>NM Licensing, LLC</i>			<i>BPH-20021216AAD</i>			
* <i>WRNN</i>	<i>258C3</i>	<i>Socastee</i>	<i>SC</i>	<i>37.8</i>	<i>141.32</i>	<i>144.0</i>	<i>-2.68</i>
<i>LIC C</i>	<i>33 49 10</i>	<i>78 53 51</i>	<i>13.500 kW</i>	<i>136M</i>	<i>87.8</i>	<i>89.5</i>	
	<i>NM Licensing, LLC</i>			<i>BLH-20000428AAH</i>			
<i>WWKTFM</i>	<i>257C3</i>	<i>Kingstree</i>	<i>SC</i>	<i>353.3</i>	<i>97.81</i>	<i>76.0</i>	<i>21.81</i>
<i>CP CX</i>	<i>33 41 37</i>	<i>79 57 31</i>	<i>25.000 kW</i>	<i>100M</i>	<i>60.8</i>	<i>47.2</i>	
	<i>Miller Communications, Inc.</i>			<i>BPH-20020603AAU</i>			
<i>WORG</i>	<i>262C3</i>	<i>Elloree</i>	<i>SC</i>	<i>307.6</i>	<i>99.62</i>	<i>76.0</i>	<i>23.62</i>
<i>LIC CN</i>	<i>33 21 42</i>	<i>80 41 05</i>	<i>25.000 kW</i>	<i>100M</i>	<i>61.9</i>	<i>47.2</i>	
	<i>Garris Communications, Inc.</i>			<i>BLH-19921214KB</i>			
<i>WWKTFM</i>	<i>257C3</i>	<i>Kingstree</i>	<i>SC</i>	<i>346.5</i>	<i>111.79</i>	<i>76.0</i>	<i>35.79</i>
<i>LIC CX</i>	<i>33 47 51</i>	<i>80 07 04</i>	<i>19.000 kW</i>	<i>115M</i>	<i>69.5</i>	<i>47.2</i>	
	<i>Miller Communications, Inc.</i>			<i>BLH-20020116AAU</i>			
<i>WRFXFM</i>	<i>259C1</i>	<i>Kannapolis</i>	<i>NC</i>	<i>344.1</i>	<i>285.20</i>	<i>245.0</i>	<i>40.20</i>
<i>LICDCN</i>	<i>35 17 14</i>	<i>80 41 45</i>	<i>84.000 kW</i>	<i>322M</i>	<i>177.3</i>	<i>152.3</i>	
	<i>Capstar TX Limited Partnership</i>			<i>BLH-19940128KC</i>			

* Note : This shortage is address under §73.215 of the rules.



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HOLLYWOOD, SOUTH CAROLINA
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EXHIBIT A3

WJZX - Proposed
Channel = 259C1
Max ERP = 70 kW
RCAMSL = 239 M
N. Lat = 32 49 04
W. Lng = 79 50 08

WRNN - BLH-20000428AAH
Channel = 258C3
Max ERP = 25 kW
RCAMSL = 106 M
N. Lat = 33 49 10
W. Lng = 78 53 51

Protected
60 dBu

Interfering
54 dBu

30 Second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
020.0	070.0000	0239.0	063.9	232.0	025.0000	0097.1	082.9	47.1
021.0	070.0000	0239.0	063.9	231.3	025.0000	0097.1	082.3	47.3
022.0	070.0000	0238.9	063.9	230.7	025.0000	0097.1	081.7	47.4
023.0	070.0000	0238.9	063.9	230.0	025.0000	0097.1	081.2	47.6
024.0	070.0000	0238.9	063.9	229.2	025.0000	0097.0	080.7	47.7
025.0	070.0000	0238.9	063.9	228.5	025.0000	0097.0	080.3	47.8
026.0	070.0000	0238.9	063.9	227.8	025.0000	0096.8	079.8	47.9
027.0	070.0000	0238.8	063.9	227.0	025.0000	0096.5	079.5	48.0
028.0	070.0000	0238.8	063.9	226.3	025.0000	0096.3	079.1	48.1
029.0	070.0000	0238.8	063.9	225.5	025.0000	0096.1	078.8	48.2
030.0	070.0000	0238.8	063.9	224.7	025.0000	0096.1	078.5	48.3
031.0	070.0000	0238.7	063.9	223.9	025.0000	0095.9	078.2	48.3
032.0	070.0000	0238.7	063.9	223.1	025.0000	0095.9	078.0	48.4
033.0	070.0000	0238.7	063.8	222.3	025.0000	0096.1	077.8	48.5
034.0	070.0000	0238.7	063.8	221.5	025.0000	0096.5	077.6	48.5
035.0	070.0000	0238.7	063.9	220.7	025.0000	0096.5	077.5	48.6
036.0	070.0000	0238.7	063.9	219.9	025.0000	0096.9	077.4	48.6
037.0	070.0000	0238.7	063.8	219.0	025.0000	0097.1	077.4	48.7
038.0	070.0000	0238.7	063.8	218.2	025.0000	0097.3	077.3	48.7
039.0	070.0000	0238.6	063.8	217.4	025.0000	0097.4	077.4	48.7
040.0	070.0000	0238.5	063.8	216.6	025.0000	0097.4	077.4	48.6
041.0	070.0000	0238.5	063.8	215.7	025.0000	0097.7	077.5	48.6
042.0	070.0000	0238.4	063.8	214.9	025.0000	0098.0	077.6	48.6
043.0	070.0000	0238.4	063.8	214.1	025.0000	0098.3	077.8	48.6
044.0	070.0000	0238.4	063.8	213.3	025.0000	0098.6	078.0	48.5
045.0	070.0000	0238.4	063.8	212.5	025.0000	0098.9	078.2	48.5
046.0	070.0000	0238.5	063.8	211.7	025.0000	0098.9	078.5	48.4
047.0	070.0000	0238.6	063.8	210.9	025.0000	0099.2	078.7	48.4
048.0	070.0000	0238.8	063.9	210.1	025.0000	0099.5	079.1	48.3
049.0	070.0000	0238.9	063.9	209.4	025.0000	0099.8	079.4	48.2
050.0	070.0000	0238.9	063.9	208.6	025.0000	0099.8	079.8	48.1
051.0	070.0000	0239.0	063.9	207.9	025.0000	0100.0	080.2	48.0
052.0	070.0000	0239.0	063.9	207.2	025.0000	0100.3	080.7	47.9
053.0	070.0000	0239.0	063.9	206.5	025.0000	0100.5	081.2	47.8
054.0	070.0000	0239.0	063.9	205.8	025.0000	0100.5	081.7	47.6
055.0	070.0000	0239.0	063.9	205.1	025.0000	0100.6	082.2	47.5
056.0	070.0000	0239.0	063.9	204.4	025.0000	0100.6	082.8	47.3
057.0	070.0000	0239.0	063.9	203.8	025.0000	0100.6	083.4	47.1
058.0	070.0000	0239.0	063.9	203.2	025.0000	0100.4	084.0	47.0
059.0	070.0000	0239.0	063.9	202.5	025.0000	0100.4	084.7	46.8
060.0	070.0000	0239.0	063.9	201.9	025.0000	0100.2	085.3	46.6

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EXHIBIT A4

WRNN - BLH-20000428AAH
Channel = 258C3
Max ERP = 25 kW
RCAMSL = 106 M
N. Lat = 33 49 10
W. Lng = 78 53 51

WJZX - Proposed
Channel = 259C1
Max ERP = 70 kW
RCAMSL = 239 M
N. Lat = 32 49 04
W. Lng = 79 50 08

Protected
60 dBu

Interfering
54 dBu

30 Second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
200.0	025.0000	0100.4	039.2	044.6	070.0000	0238.4	105.0	50.7
201.0	025.0000	0100.2	039.1	044.2	070.0000	0238.4	104.7	50.8
202.0	025.0000	0100.2	039.1	043.9	070.0000	0238.4	104.4	50.8
203.0	025.0000	0100.4	039.2	043.5	070.0000	0238.4	104.2	50.9
204.0	025.0000	0100.6	039.2	043.2	070.0000	0238.4	103.9	51.0
205.0	025.0000	0100.6	039.2	042.8	070.0000	0238.4	103.7	51.1
206.0	025.0000	0100.5	039.2	042.5	070.0000	0238.4	103.5	51.1
207.0	025.0000	0100.3	039.1	042.1	070.0000	0238.4	103.3	51.2
208.0	025.0000	0100.0	039.1	041.7	070.0000	0238.4	103.2	51.2
209.0	025.0000	0099.8	039.0	041.4	070.0000	0238.5	103.1	51.2
210.0	025.0000	0099.5	039.0	041.0	070.0000	0238.5	103.0	51.3
211.0	025.0000	0099.2	038.9	040.6	070.0000	0238.5	102.9	51.3
212.0	025.0000	0098.9	038.9	040.2	070.0000	0238.5	102.8	51.3
213.0	025.0000	0098.6	038.9	039.9	070.0000	0238.5	102.8	51.3
214.0	025.0000	0098.3	038.8	039.5	070.0000	0238.6	102.8	51.3
215.0	025.0000	0098.0	038.7	039.1	070.0000	0238.6	102.8	51.3
216.0	025.0000	0097.7	038.7	038.7	070.0000	0238.6	102.8	51.3
217.0	025.0000	0097.4	038.7	038.4	070.0000	0238.7	102.8	51.3
218.0	025.0000	0097.3	038.6	038.0	070.0000	0238.7	102.8	51.3
219.0	025.0000	0097.1	038.6	037.6	070.0000	0238.7	102.8	51.3
220.0	025.0000	0096.9	038.6	037.2	070.0000	0238.7	102.9	51.3
221.0	025.0000	0096.5	038.5	036.9	070.0000	0238.7	103.0	51.3
222.0	025.0000	0096.1	038.4	036.5	070.0000	0238.7	103.1	51.2
223.0	025.0000	0095.9	038.4	036.1	070.0000	0238.7	103.2	51.2
224.0	025.0000	0095.9	038.4	035.8	070.0000	0238.7	103.3	51.2
225.0	025.0000	0096.1	038.4	035.4	070.0000	0238.7	103.3	51.2
226.0	025.0000	0096.3	038.5	035.0	070.0000	0238.7	103.4	51.1
227.0	025.0000	0096.5	038.5	034.7	070.0000	0238.7	103.5	51.1
228.0	025.0000	0096.8	038.5	034.3	070.0000	0238.7	103.6	51.1
229.0	025.0000	0097.0	038.6	033.9	070.0000	0238.7	103.8	51.0
230.0	025.0000	0097.1	038.6	033.6	070.0000	0238.7	103.9	51.0
231.0	025.0000	0097.1	038.6	033.2	070.0000	0238.7	104.1	50.9
232.0	025.0000	0097.1	038.6	032.9	070.0000	0238.7	104.3	50.9
233.0	025.0000	0097.1	038.6	032.5	070.0000	0238.7	104.5	50.8
234.0	025.0000	0097.2	038.6	032.2	070.0000	0238.7	104.7	50.8
235.0	025.0000	0097.5	038.7	031.8	070.0000	0238.7	105.0	50.7
236.0	025.0000	0097.8	038.7	031.5	070.0000	0238.7	105.2	50.6
237.0	025.0000	0098.1	038.8	031.1	070.0000	0238.7	105.4	50.6
238.0	025.0000	0098.3	038.8	030.8	070.0000	0238.7	105.7	50.5
239.0	025.0000	0098.6	038.8	030.5	070.0000	0238.8	106.0	50.4
240.0	025.0000	0098.8	038.9	030.1	070.0000	0238.8	106.3	50.3

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EXHIBIT A5

WJZX - Proposed
Channel = 259C1
Max ERP = 70 kW
RCAMSL = 239 M
N. Lat = 32 49 04
W. Lng = 79 50 08

WRNN.A - BPH-20021216AAD
Channel = 258C3
Max ERP = 25 kW
RCAMSL = 104 M
N. Lat = 33 43 16
W. Lng = 78 53 45

Protected
60 dBu

Interfering
54 dBu

30 Second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
025.0	070.0000	0238.9	063.9	235.0	025.0000	0102.4	073.7	50.0
026.0	070.0000	0238.9	063.9	234.2	025.0000	0102.5	073.1	50.1
027.0	070.0000	0238.8	063.9	233.5	025.0000	0102.5	072.6	50.3
028.0	070.0000	0238.8	063.9	232.7	025.0000	0102.5	072.1	50.4
029.0	070.0000	0238.8	063.9	231.8	025.0000	0102.3	071.7	50.5
030.0	070.0000	0238.8	063.9	231.0	025.0000	0101.9	071.3	50.6
031.0	070.0000	0238.7	063.9	230.2	025.0000	0101.4	070.9	50.7
032.0	070.0000	0238.7	063.9	229.3	025.0000	0101.1	070.6	50.8
033.0	070.0000	0238.7	063.8	228.4	025.0000	0100.9	070.3	50.9
034.0	070.0000	0238.7	063.8	227.5	025.0000	0100.9	070.0	51.0
035.0	070.0000	0238.7	063.9	226.6	025.0000	0100.8	069.7	51.0
036.0	070.0000	0238.7	063.9	225.7	025.0000	0100.8	069.5	51.1
037.0	070.0000	0238.7	063.8	224.8	025.0000	0100.7	069.4	51.2
038.0	070.0000	0238.7	063.8	223.9	025.0000	0100.6	069.2	51.2
039.0	070.0000	0238.6	063.8	223.0	025.0000	0100.4	069.1	51.2
040.0	070.0000	0238.5	063.8	222.1	025.0000	0100.1	069.1	51.2
041.0	070.0000	0238.5	063.8	221.2	025.0000	0099.8	069.1	51.2
042.0	070.0000	0238.4	063.8	220.2	025.0000	0099.6	069.1	51.2
043.0	070.0000	0238.4	063.8	219.3	025.0000	0099.5	069.2	51.1
044.0	070.0000	0238.4	063.8	218.4	025.0000	0099.5	069.3	51.1
045.0	070.0000	0238.4	063.8	217.5	025.0000	0099.6	069.4	51.1
046.0	070.0000	0238.5	063.8	216.6	025.0000	0099.6	069.5	51.0
047.0	070.0000	0238.6	063.8	215.7	025.0000	0099.7	069.7	51.0
048.0	070.0000	0238.8	063.9	214.8	025.0000	0100.0	070.0	50.9
049.0	070.0000	0238.9	063.9	213.9	025.0000	0100.4	070.2	50.9
050.0	070.0000	0238.9	063.9	213.0	025.0000	0101.1	070.5	50.8
051.0	070.0000	0239.0	063.9	212.2	025.0000	0101.9	070.9	50.8
052.0	070.0000	0239.0	063.9	211.3	025.0000	0102.5	071.3	50.7
053.0	070.0000	0239.0	063.9	210.5	025.0000	0102.8	071.7	50.6
054.0	070.0000	0239.0	063.9	209.7	025.0000	0102.8	072.1	50.5
055.0	070.0000	0239.0	063.9	208.9	025.0000	0102.9	072.6	50.3
056.0	070.0000	0239.0	063.9	208.1	025.0000	0102.9	073.1	50.2
057.0	070.0000	0239.0	063.9	207.3	025.0000	0103.0	073.6	50.0
058.0	070.0000	0239.0	063.9	206.6	025.0000	0103.0	074.2	49.9
059.0	070.0000	0239.0	063.9	205.9	025.0000	0103.0	074.8	49.7
060.0	070.0000	0239.0	063.9	205.2	025.0000	0103.0	075.4	49.5
061.0	070.0000	0239.0	063.9	204.5	025.0000	0103.1	076.1	49.3
062.0	070.0000	0239.0	063.9	203.8	025.0000	0103.1	076.7	49.1
063.0	070.0000	0239.0	063.9	203.2	025.0000	0103.1	077.5	48.9
064.0	070.0000	0239.0	063.9	202.6	025.0000	0103.1	078.2	48.7
065.0	070.0000	0239.0	063.9	202.0	025.0000	0103.2	078.9	48.5

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EXHIBIT A6

WRNN.A - BPH-20021216AAD
Channel = 258C3
Max ERP = 25 kW
RCAMSL = 104 M
N. Lat = 33 43 16
W. Lng = 78 53 45

WJZX - Proposed
Channel = 259C1
Max ERP = 70 kW
RCAMSL = 239 M
N. Lat = 32 49 04
W. Lng = 79 50 08

Protected
60 dBu

Interfering
54 dBu

30 Second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
205.0	025.0000	0103.0	039.6	047.5	070.0000	0238.6	095.8	53.4
206.0	025.0000	0103.0	039.6	047.1	070.0000	0238.6	095.5	53.5
207.0	025.0000	0103.0	039.6	046.7	070.0000	0238.6	095.3	53.6
208.0	025.0000	0102.9	039.6	046.3	070.0000	0238.5	095.1	53.6
209.0	025.0000	0102.9	039.6	045.9	070.0000	0238.5	094.9	53.7
210.0	025.0000	0102.8	039.5	045.5	070.0000	0238.5	094.7	53.8
211.0	025.0000	0102.5	039.5	045.1	070.0000	0238.4	094.6	53.8
212.0	025.0000	0101.9	039.4	044.7	070.0000	0238.4	094.5	53.8
213.0	025.0000	0101.1	039.3	044.3	070.0000	0238.4	094.5	53.8
214.0	025.0000	0100.4	039.1	043.8	070.0000	0238.4	094.4	53.8
215.0	025.0000	0100.0	039.1	043.4	070.0000	0238.4	094.4	53.8
216.0	025.0000	0099.7	039.0	043.0	070.0000	0238.4	094.3	53.9
217.0	025.0000	0099.6	039.0	042.6	070.0000	0238.4	094.3	53.9
218.0	025.0000	0099.5	039.0	042.2	070.0000	0238.4	094.2	53.9
219.0	025.0000	0099.5	039.0	041.8	070.0000	0238.4	094.2	53.9
220.0	025.0000	0099.6	039.0	041.4	070.0000	0238.5	094.1	53.9
221.0	025.0000	0099.8	039.1	041.0	070.0000	0238.5	094.1	53.9
222.0	025.0000	0100.1	039.1	040.5	070.0000	0238.5	094.0	54.0
223.0	025.0000	0100.4	039.1	040.1	070.0000	0238.5	094.0	54.0
224.0	025.0000	0100.6	039.2	039.7	070.0000	0238.5	094.0	54.0
225.0	025.0000	0100.7	039.2	039.3	070.0000	0238.6	094.1	54.0
226.0	025.0000	0100.8	039.2	038.9	070.0000	0238.6	094.1	53.9
227.0	025.0000	0100.8	039.2	038.5	070.0000	0238.7	094.2	53.9
228.0	025.0000	0100.9	039.2	038.1	070.0000	0238.7	094.3	53.9
229.0	025.0000	0101.1	039.3	037.6	070.0000	0238.7	094.4	53.9
230.0	025.0000	0101.4	039.3	037.2	070.0000	0238.7	094.5	53.8
231.0	025.0000	0101.9	039.4	036.8	070.0000	0238.7	094.5	53.8
232.0	025.0000	0102.3	039.5	036.4	070.0000	0238.7	094.7	53.8
233.0	025.0000	0102.5	039.5	036.0	070.0000	0238.7	094.8	53.7
234.0	025.0000	0102.5	039.5	035.6	070.0000	0238.7	095.0	53.7
235.0	025.0000	0102.4	039.5	035.2	070.0000	0238.7	095.3	53.6
236.0	025.0000	0102.3	039.5	034.8	070.0000	0238.7	095.5	53.5
237.0	025.0000	0102.2	039.4	034.5	070.0000	0238.7	095.8	53.4
238.0	025.0000	0102.0	039.4	034.1	070.0000	0238.7	096.1	53.3
239.0	025.0000	0101.8	039.4	033.7	070.0000	0238.7	096.4	53.2
240.0	025.0000	0101.7	039.4	033.4	070.0000	0238.7	096.7	53.1
241.0	025.0000	0101.5	039.3	033.0	070.0000	0238.7	097.0	53.0
242.0	025.0000	0101.6	039.3	032.6	070.0000	0238.7	097.3	52.9
243.0	025.0000	0101.9	039.4	032.3	070.0000	0238.7	097.6	52.9
244.0	025.0000	0102.4	039.5	031.9	070.0000	0238.7	097.9	52.8
245.0	025.0000	0102.8	039.5	031.5	070.0000	0238.7	098.2	52.7

MINOR CHANGE APPLICATION
APEX BROADCASTING, INC.
WJZX (FM) RADIO STATION
CH 259C1 - 99.7 MHZ - 70.0 KW
HOLLYWOOD, SOUTH CAROLINA
January 2003

EXHIBIT A7

Predicted contours:

N. Lat. = 32 49 04 - Tabulated Protected and Interfering Contour Data
W. Lng. = 79 50 08 - WJZX Radio Station - Hollywood, South Carolina

HAAT and Distance to Contour - FCC Method - 30 Arc Second database									
Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5	40-F1	54-F1	100-F1
000	2.2	236.8	70.0000	18.45	1.000	63.69	157.10	93.73	8.16
010	.7	238.3	70.0000	18.45	1.000	63.81	157.27	93.89	8.19
020	.0	239.0	70.0000	18.45	1.000	63.87	157.34	93.97	8.20
030	.2	238.8	70.0000	18.45	1.000	63.85	157.32	93.95	8.20
040	.5	238.6	70.0000	18.45	1.000	63.84	157.30	93.92	8.19
050	.1	239.0	70.0000	18.45	1.000	63.87	157.34	93.96	8.20
060	.0	239.0	70.0000	18.45	1.000	63.87	157.34	93.97	8.20
070	.0	239.0	70.0000	18.45	1.000	63.87	157.34	93.97	8.20
080	.0	239.0	70.0000	18.45	1.000	63.87	157.34	93.97	8.20
090	.0	239.0	70.0000	18.45	1.000	63.87	157.34	93.97	8.20
100	.1	238.9	70.0000	18.45	1.000	63.87	157.33	93.96	8.20
110	.0	239.0	70.0000	18.45	1.000	63.87	157.34	93.97	8.20
120	.0	239.0	70.0000	18.45	1.000	63.87	157.34	93.97	8.20
130	.0	239.0	70.0000	18.45	1.000	63.87	157.34	93.97	8.20
140	.0	239.0	70.0000	18.45	1.000	63.87	157.34	93.97	8.20
150	.0	239.0	70.0000	18.45	1.000	63.87	157.34	93.97	8.20
160	.0	239.0	70.0000	18.45	1.000	63.87	157.34	93.97	8.20
170	.0	239.0	70.0000	18.45	1.000	63.87	157.34	93.97	8.20
180	.0	239.0	70.0000	18.45	1.000	63.87	157.34	93.97	8.20
190	.3	238.7	70.0000	18.45	1.000	63.85	157.31	93.94	8.20
200	.0	239.0	70.0000	18.45	1.000	63.87	157.34	93.97	8.20
210	.0	239.0	70.0000	18.45	1.000	63.87	157.34	93.97	8.20
220	.2	238.8	70.0000	18.45	1.000	63.86	157.32	93.95	8.20
230	.6	238.5	70.0000	18.45	1.000	63.83	157.28	93.91	8.19
240	.1	238.9	70.0000	18.45	1.000	63.87	157.33	93.96	8.20
250	.1	238.9	70.0000	18.45	1.000	63.86	157.33	93.96	8.20
260	.4	238.6	70.0000	18.45	1.000	63.84	157.30	93.93	8.19
270	.9	238.1	70.0000	18.45	1.000	63.80	157.24	93.87	8.19
280	.0	239.0	70.0000	18.45	1.000	63.87	157.34	93.97	8.20
290	1.2	237.8	70.0000	18.45	1.000	63.78	157.22	93.85	8.18
300	.4	238.6	70.0000	18.45	1.000	63.84	157.30	93.93	8.20
310	.0	239.0	70.0000	18.45	1.000	63.87	157.34	93.97	8.20
320	.6	238.4	70.0000	18.45	1.000	63.82	157.28	93.90	8.19
330	1.0	238.0	70.0000	18.45	1.000	63.79	157.23	93.86	8.18
340	2.4	236.6	70.0000	18.45	1.000	63.68	157.09	93.72	8.16
350	2.1	236.9	70.0000	18.45	1.000	63.70	157.12	93.75	8.16

AMSL= 239.02 M