

MINOR CHANGE APPLICATION
ATLANTIC RADIO BROADCASTING, LLC
WRXS (FM) RADIO STATION
CH 295A - 106.9 MHZ - 2.05 KW
OCEAN CITY, MARYLAND
June 2001

EXHIBIT A

Shortspaced Facilities Utilizing Section 73.215

The WRXS proposed antenna location will be shortspaced to four other FM broadcast facilities; WAFX, WTDK, WKHI and WKDN. The detailed spacing information with regard to these shortspaces is shown on Exhibit A1. Atlantic Radio Broadcasting, LLC, proposes to use the provisions of §73.215 of the Commission's rules to address these shortspaces. The shortages to these facilities complies with §73.215(e) of the Commission's rules. The provisions of §73.215 will be met by specifying less than maximum Class A facilities and utilizing a directional antenna.

Exhibit A2 specifically demonstrates that there will be no prohibited overlap between the proposed WRXS and the authorized WAFX, WTDK, WKHI and WKDN. The contours of WAFX are based on 100.0 kilowatts at 600 meters HAAT; the contours of WTDK are based on 6.0 kilowatts at 100 meters HAAT; and the contours of WKDN are based on 50.0 kilowatts at 150 meters HAAT.¹ The contours of WKHI (CP) are based on their actual power of 18.5 kilowatts and HAAT of 104 meters as this station's construction permit was granted under §73.215 rules. Attached as Exhibits A3 through A10 are the tabulated distances to the protected

1) The licensed facility of WAFX specifies a power of 100 kilowatts at 300 meters HAAT. The antenna center of radiation was increased to bring this station to the maximum class facility for §73.215 analysis. The licensed facility of WTDK specifies a power of 3.9 kilowatts at 124 meters HAAT and the licensed facility of WKDN specifies a power of 38.0 kilowatts at 168 meters HAAT. The antenna center of radiation was lowered and the power raised to bring these stations to maximum class facilities for the §73.215 analysis.

and interfering contours, along pertinent arcs, of the proposed WRXS and authorized WAFX, WTDK, WKHI and WKDN. Further, attached as Exhibit A11 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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EXHIBIT A1

CLEARANCE STUDY FOR WRXS OCEAN CITY MARYLAND
USING PROPOSED SITE AS REFERENCE

REFERENCE		DISPLAY DATES
38 19 39 N	CLASS = A	DATA 02-08-02
75 11 50 W	Current Spacings	SEARCH 02-12-02
----- Channel 295 - 106.9 MHz -----		

Call	Channel	Location	Power	Dist	Azi	FCC	Margin
N. Lat.	W. Lng.			HAAT			
WRXS	LIC 295A	Ocean City	MD	2.62	23.4	115.0	-112.38
38 20 57	75 11 07	DC	6.000 kW	92 M			
		Atlantic Radio Broadcastin	BMLH20001127AAA				
* WAFX	LIC 295C	Suffolk	VA	217.97	219.5	226.0	-8.03
36 48 16	76 45 17	CN	100.000 kW	300 M			
		Tidewater Communications,	BLH19890929KC				
* WTDK	LIC 296A	Federalsburg	MD	68.35	315.9	72.0	-3.65
38 46 02	75 44 46	CN	3.900 kW	124 M			
		Mts Broadcasting, L.c.	BMLH19891229KA				
* WKHI.C CP	298B1	Fruitland	MD	44.67	251.4	48.0	-3.33
38 11 54	75 40 50	ZCX	18.500 kW	104 M			
		Great Scott Broadcasting	BPH20010831ACJ				
* WKDN	LIC 295B	Camden	NJ	175.79	2.7	178.0	-2.21
39 54 33	75 06 00	CN	38.000 kW	168 M			
		Family Stations, Inc.	BMLED19980417KA				
WDOX	LIC 294A	North Cape May	NJ	74.04	18.6	72.0	2.04
38 57 32	74 55 23	CN	3.000 kW	71 M			
		Wjnn, Inc.	BLH19930602KD				
WKHW	LIC 293A	Pocomoke City	MD	40.84	227.1	31.0	9.84
38 04 37	75 32 19	ZCN	1.800 kW	104 M			
		Great Scott Broadcasting	BLH19920512KD				
WKHI	LIC 298B	Exmore	VA	82.13	212.1	69.0	13.13
37 42 01	75 41 36	CN	50.000 kW	82 M			
		Great Scott Broadcasting	BLH19930928KF				

* These shortages addressed under \$73.215. See Exhibit A for details.

GRAHAM BROCK, INC.

BROADCAST TECHNICAL CONSULTANTS

WRXS - Proposed

Latitude: 38-19-39 N
Longitude: 075-11-50 W
Power: 4.50 kW
Channel: 295A

WKDN 40 dBu (50/10)

WKDN 60 dBu (50/50)

WKHI.C

BPH-20010831ACJ
Latitude: 38-11-54 N
Longitude: 075-40-50 W
Power: 18.50 kW
Channel: 298B1

WTDK

BMLH19891229KA
Latitude: 38-46-02 N
Longitude: 075-44-46 W
Power: 6.00 kW
Channel: 296A

WKDN

BMLD-19980417KA
Latitude: 39-54-33 N
Longitude: 075-06-00 W
Power: 50.00 kW
Channel: 295B

WAFX

BLH-19890929KC
Latitude: 36-48-16 N
Longitude: 076-45-17 W
Power: 100.00 kW
Channel: 295C

WTDK 54 dBu (50/10)

WTDK 60 dBu (50/50)

WKHI CP 57 dBu (50/50)

WKHI CP 100 dBu (50/10)

Section 73.215 Analysis

EXHIBIT A2
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WRXS Proposed 97 dBu (50/10)

WRXS Proposed 60 dBu (50/50)

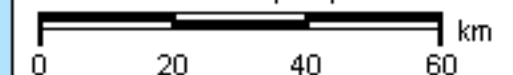
WRXS Proposed 54 dBu (50/10)

WRXS Proposed 40 dBu (50/10)

WAFX 40 dBu (50/10)

WAFX 60 dBu (50/50)

Scale 1:1,500,000



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EXHIBIT A3

WRXS - Proposed
Channel = 295A
Max ERP = 4.5 kW
RCAMSL = 121 M
N. Lat = 38 19 39
W. Lng = 75 11 50

WAFX - BLH-19890929KC
Channel = 295C
Max ERP = 100 kW
RCAMSL = 616 M
N. Lat = 36 48 16
W. Lng = 76 45 17

Protected
60 dBu

Interfering
40 dBu

03 Second Terrain Data

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
180.0	003.0903	0120.2	026.5	043.4	100.0000	0594.6	198.3	39.8
181.0	002.9701	0120.2	026.2	043.3	100.0000	0594.6	198.1	39.9
182.0	002.8522	0120.2	026.0	043.2	100.0000	0594.6	198.0	39.9
183.0	002.7367	0120.2	025.8	043.0	100.0000	0594.6	197.9	39.9
184.0	002.6237	0120.3	025.5	042.9	100.0000	0594.6	197.8	39.9
185.0	002.5130	0120.2	025.3	042.7	100.0000	0594.6	197.7	39.9
186.0	002.4046	0120.2	025.0	042.6	100.0000	0594.6	197.6	40.0
187.0	002.2987	0120.1	024.8	042.4	100.0000	0594.4	197.6	40.0
188.0	002.1952	0120.1	024.5	042.3	100.0000	0594.4	197.5	40.0
189.0	002.0940	0120.1	024.3	042.1	100.0000	0594.4	197.5	40.0
190.0	001.9953	0120.1	024.0	042.0	100.0000	0594.4	197.5	40.0
191.0	001.9213	0119.9	023.8	041.9	100.0000	0594.4	197.5	40.0
192.0	001.8487	0119.7	023.6	041.7	100.0000	0594.4	197.4	40.0
193.0	001.7775	0119.6	023.3	041.6	100.0000	0594.4	197.4	40.0
194.0	001.7077	0119.6	023.1	041.5	100.0000	0594.5	197.4	40.0
195.0	001.6393	0119.5	022.9	041.3	100.0000	0594.5	197.4	40.0
196.0	001.5723	0119.4	022.7	041.2	100.0000	0594.5	197.4	40.0
197.0	001.5067	0119.3	022.4	041.1	100.0000	0594.5	197.5	40.0
198.0	001.4425	0119.1	022.2	040.9	100.0000	0594.5	197.5	40.0
199.0	001.3797	0118.9	021.9	040.8	100.0000	0594.5	197.6	40.0
200.0	001.3183	0118.6	021.7	040.7	100.0000	0594.5	197.7	39.9
201.0	001.3007	0118.2	021.6	040.6	100.0000	0594.5	197.7	39.9
202.0	001.2833	0117.7	021.5	040.5	100.0000	0594.8	197.6	40.0
203.0	001.2660	0117.4	021.4	040.3	100.0000	0594.8	197.6	40.0
204.0	001.2488	0117.1	021.3	040.2	100.0000	0594.8	197.6	40.0
205.0	001.2317	0117.0	021.2	040.1	100.0000	0594.8	197.6	40.0
206.0	001.2148	0116.9	021.1	040.0	100.0000	0594.8	197.5	40.0
207.0	001.1980	0116.6	021.0	039.9	100.0000	0594.8	197.5	40.0
208.0	001.1812	0116.5	021.0	039.8	100.0000	0594.8	197.5	40.0
209.0	001.1646	0116.1	020.9	039.7	100.0000	0594.8	197.6	40.0
210.0	001.1482	0115.9	020.8	039.6	100.0000	0594.8	197.6	40.0
211.0	001.1482	0115.7	020.8	039.5	100.0000	0595.0	197.5	40.0
212.0	001.1482	0115.5	020.7	039.4	100.0000	0595.0	197.5	40.0
213.0	001.1482	0115.2	020.7	039.3	100.0000	0595.0	197.5	40.0
214.0	001.1482	0114.9	020.7	039.2	100.0000	0595.0	197.5	40.0
215.0	001.1482	0114.5	020.7	039.1	100.0000	0595.0	197.5	40.0

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EXHIBIT A3 (continued)

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
216.0	001.1482	0114.1	020.6		039.0	100.0000	0595.0	197.5	40.0
217.0	001.1482	0113.8	020.6		038.9	100.0000	0595.0	197.5	40.0
218.0	001.1482	0113.4	020.6		038.7	100.0000	0595.0	197.5	40.0
219.0	001.1482	0113.0	020.5		038.6	100.0000	0595.0	197.5	40.0
220.0	001.1482	0112.5	020.5		038.5	100.0000	0595.0	197.6	40.0
221.0	001.1562	0112.2	020.5		038.4	100.0000	0595.3	197.6	40.0
222.0	001.1643	0112.0	020.5		038.3	100.0000	0595.3	197.6	40.0
223.0	001.1725	0111.6	020.5		038.2	100.0000	0595.3	197.6	40.0
224.0	001.1807	0111.5	020.5		038.1	100.0000	0595.3	197.6	40.0
225.0	001.1889	0111.5	020.6		038.0	100.0000	0595.3	197.6	40.0
226.0	001.1971	0111.6	020.6		037.9	100.0000	0595.3	197.6	40.0
227.0	001.2053	0111.6	020.6		037.8	100.0000	0595.3	197.6	40.0
228.0	001.2136	0111.5	020.7		037.7	100.0000	0595.3	197.6	40.0
229.0	001.2219	0111.5	020.7		037.6	100.0000	0595.3	197.7	40.0
230.0	001.2303	0111.5	020.7		037.5	100.0000	0595.3	197.7	40.0
231.0	001.2637	0111.6	020.9		037.4	100.0000	0595.6	197.7	40.0
232.0	001.2976	0111.6	021.0		037.3	100.0000	0595.6	197.6	40.0
233.0	001.3319	0111.7	021.1		037.2	100.0000	0595.6	197.6	40.0
234.0	001.3667	0111.9	021.3		037.1	100.0000	0595.6	197.5	40.0
235.0	001.4020	0112.1	021.4		036.9	100.0000	0595.6	197.5	40.0
236.0	001.4377	0112.3	021.6		036.8	100.0000	0595.6	197.5	40.0
237.0	001.4738	0112.4	021.7		036.7	100.0000	0595.6	197.4	40.0
238.0	001.5104	0112.5	021.9		036.6	100.0000	0595.6	197.5	40.0
239.0	001.5474	0112.7	022.0		036.5	100.0000	0595.9	197.5	40.0
240.0	001.5849	0112.8	022.1		036.4	100.0000	0595.9	197.5	40.0
241.0	001.6365	0112.9	022.3		036.2	100.0000	0595.9	197.5	40.0
242.0	001.6889	0113.1	022.5		036.1	100.0000	0595.9	197.5	40.0
243.0	001.7421	0113.2	022.7		036.0	100.0000	0595.9	197.5	40.0
244.0	001.7962	0113.2	022.8		035.9	100.0000	0595.9	197.5	40.0
245.0	001.8511	0113.3	023.0		035.7	100.0000	0595.9	197.6	40.0
246.0	001.9068	0113.4	023.2		035.6	100.0000	0595.9	197.6	40.0
247.0	001.9634	0113.5	023.3		035.5	100.0000	0596.1	197.7	40.0
248.0	002.0207	0113.5	023.5		035.4	100.0000	0596.1	197.8	40.0
249.0	002.0789	0113.6	023.6		035.2	100.0000	0596.1	197.8	39.9
250.0	002.1380	0113.7	023.8		035.1	100.0000	0596.1	197.9	39.9

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EXHIBIT A4

WAFX - BLH-19890929KC
Channel = 295C
Max ERP = 100 kW
RCAMSL = 616 M
N. Lat = 36 48 16
W. Lng = 76 45 17

WRXS - Proposed
Channel = 295A
Max ERP = 4.5 kW
RCAMSL = 121 M
N. Lat = 38 19 39
W. Lng = 75 11 50

Protected
60 dBu

Interfering
40 dBu

03 Second Terrain Data

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
020.0	100.0000	0592.1	091.5	232.1	001.2998	0111.6	134.3	23.8
021.0	100.0000	0592.2	091.5	231.5	001.2798	0111.6	133.5	23.9
022.0	100.0000	0592.4	091.5	230.9	001.2595	0111.6	132.7	23.9
023.0	100.0000	0592.7	091.5	230.3	001.2389	0111.5	132.0	24.0
024.0	100.0000	0592.8	091.5	229.6	001.2272	0111.5	131.3	24.1
025.0	100.0000	0593.0	091.6	229.0	001.2219	0111.5	130.6	24.2
026.0	100.0000	0593.4	091.6	228.3	001.2165	0111.5	130.0	24.3
027.0	100.0000	0594.2	091.6	227.7	001.2111	0111.5	129.4	24.4
028.0	100.0000	0595.2	091.6	227.0	001.2055	0111.6	128.8	24.5
029.0	100.0000	0595.7	091.7	226.3	001.1999	0111.6	128.3	24.6
030.0	100.0000	0595.8	091.7	225.7	001.1942	0111.6	127.8	24.6
031.0	100.0000	0596.0	091.7	225.0	001.1885	0111.5	127.4	24.7
032.0	100.0000	0595.9	091.7	224.3	001.1827	0111.5	127.1	24.7
033.0	100.0000	0595.9	091.7	223.5	001.1769	0111.5	126.8	24.8
034.0	100.0000	0595.8	091.7	222.8	001.1711	0111.6	126.5	24.8
035.0	100.0000	0596.1	091.7	222.1	001.1652	0112.0	126.3	24.8
036.0	100.0000	0595.9	091.7	221.4	001.1593	0112.2	126.1	24.8
037.0	100.0000	0595.6	091.7	220.7	001.1535	0112.2	126.0	24.8
038.0	100.0000	0595.3	091.6	219.9	001.1482	0112.5	126.0	24.8
039.0	100.0000	0595.0	091.6	219.2	001.1482	0113.0	126.0	24.9
040.0	100.0000	0594.8	091.6	218.5	001.1482	0113.4	126.0	24.9
041.0	100.0000	0594.5	091.6	217.7	001.1482	0113.4	126.1	24.8
042.0	100.0000	0594.4	091.6	217.0	001.1482	0113.8	126.2	24.8
043.0	100.0000	0594.6	091.6	216.3	001.1482	0114.1	126.4	24.8
044.0	100.0000	0594.7	091.6	215.6	001.1482	0114.1	126.6	24.8
045.0	100.0000	0594.9	091.6	214.9	001.1482	0114.5	126.9	24.7
046.0	100.0000	0595.3	091.6	214.2	001.1482	0114.9	127.2	24.7
047.0	100.0000	0595.8	091.7	213.5	001.1482	0115.2	127.5	24.6
048.0	100.0000	0596.1	091.7	212.8	001.1482	0115.2	127.9	24.6
049.0	100.0000	0596.4	091.7	212.1	001.1482	0115.5	128.3	24.5
050.0	100.0000	0596.7	091.7	211.4	001.1482	0115.7	128.8	24.4
051.0	100.0000	0596.8	091.7	210.7	001.1482	0115.7	129.4	24.3
052.0	100.0000	0597.0	091.7	210.1	001.1482	0115.9	129.9	24.2
053.0	100.0000	0597.4	091.7	209.4	001.1577	0116.1	130.6	24.1
054.0	100.0000	0597.6	091.7	208.8	001.1682	0116.1	131.2	24.0
055.0	100.0000	0597.8	091.7	208.2	001.1786	0116.5	131.9	24.0
056.0	100.0000	0598.1	091.7	207.5	001.1888	0116.5	132.7	23.8
057.0	100.0000	0598.0	091.7	206.9	001.1988	0116.6	133.4	23.7
058.0	100.0000	0597.8	091.7	206.4	001.2086	0116.9	134.3	23.6
059.0	100.0000	0597.8	091.7	205.8	001.2183	0116.9	135.2	23.5
060.0	100.0000	0597.9	091.7	205.2	001.2277	0117.0	136.0	23.3

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EXHIBIT A5

WRXS - Proposed
Channel = 295A
Max ERP = 4.5 kW
RCAMSL = 121 M
N. Lat = 38 19 39
W. Lng = 75 11 50

WTDK - BMLH-19891229KA
Channel = 296A
Max ERP = 6 kW
RCAMSL = 114 M
N. Lat = 38 46 02
W. Lng = 75 44 46

Protected
60 dBu

Interfering
54 dBu

03 Second Terrain Data

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
297.0	003.0000	0112.1	025.5	146.1	006.0000	0102.7	044.9	53.8
298.0	003.0000	0112.1	025.5	145.6	006.0000	0102.7	044.7	53.8
299.0	003.0000	0112.0	025.5	145.0	006.0000	0102.5	044.5	53.9
300.0	003.0000	0112.0	025.5	144.5	006.0000	0102.5	044.3	54.0
301.0	002.9202	0112.0	025.4	143.9	006.0000	0102.3	044.2	54.0
302.0	002.8414	0111.9	025.2	143.3	006.0000	0102.1	044.2	54.0
303.0	002.7637	0111.8	025.0	142.7	006.0000	0102.1	044.2	54.0
304.0	002.6871	0111.8	024.9	142.1	006.0000	0102.0	044.2	54.0
305.0	002.6115	0111.8	024.7	141.5	006.0000	0102.0	044.3	54.0
306.0	002.5371	0111.7	024.6	140.9	006.0000	0102.0	044.3	53.9
307.0	002.4637	0111.7	024.4	140.3	006.0000	0102.0	044.4	53.9
308.0	002.3914	0111.6	024.2	139.7	006.0000	0102.0	044.4	53.9
309.0	002.3202	0111.6	024.1	139.2	006.0000	0102.1	044.5	53.9
310.0	002.2500	0111.6	023.9	138.6	006.0000	0102.1	044.6	53.8
311.0	002.2500	0111.5	023.9	138.1	006.0000	0102.1	044.6	53.8
312.0	002.2500	0111.5	023.9	137.5	006.0000	0102.1	044.5	53.9
313.0	002.2500	0111.4	023.9	137.0	006.0000	0102.1	044.5	53.9
314.0	002.2500	0111.4	023.9	136.5	006.0000	0102.1	044.5	53.9
315.0	002.2500	0111.3	023.9	135.9	006.0000	0102.1	044.5	53.9
316.0	002.2500	0111.3	023.9	135.4	006.0000	0102.0	044.5	53.9
317.0	002.2500	0111.2	023.8	134.9	006.0000	0102.0	044.5	53.9
318.0	002.2500	0111.0	023.8	134.3	006.0000	0101.9	044.5	53.8
319.0	002.2500	0110.9	023.8	133.8	006.0000	0101.9	044.6	53.8
320.0	002.2500	0110.9	023.8	133.3	006.0000	0101.9	044.6	53.8
321.0	002.3202	0111.0	024.0	132.7	006.0000	0101.9	044.5	53.9
322.0	002.3914	0111.0	024.2	132.1	006.0000	0101.9	044.4	53.9
323.0	002.4637	0111.0	024.3	131.6	006.0000	0101.9	044.3	53.9
324.0	002.5371	0110.8	024.5	131.0	006.0000	0101.8	044.3	53.9
325.0	002.6115	0110.8	024.6	130.4	006.0000	0101.7	044.2	53.9
326.0	002.6871	0110.9	024.8	129.8	006.0000	0101.7	044.2	54.0
327.0	002.7637	0111.0	025.0	129.2	006.0000	0101.6	044.1	54.0
328.0	002.8414	0111.2	025.1	128.6	006.0000	0101.6	044.1	54.0
329.0	002.9202	0111.2	025.3	128.0	006.0000	0101.4	044.1	54.0
330.0	003.0000	0111.3	025.5	127.4	006.0000	0101.3	044.1	54.0
331.0	003.1364	0111.3	025.7	126.7	006.0000	0101.3	044.1	54.0
332.0	003.2758	0111.4	026.0	126.0	006.0000	0101.1	044.0	54.0
333.0	003.4182	0111.4	026.2	125.3	006.0000	0101.0	044.0	54.0
334.0	003.5636	0111.6	026.5	124.6	006.0000	0101.0	044.0	54.0
335.0	003.7121	0111.7	026.7	124.0	006.0000	0100.8	044.0	54.0
336.0	003.8636	0111.8	027.0	123.3	006.0000	0100.7	044.0	53.9
337.0	004.0182	0112.0	027.2	122.6	006.0000	0100.7	044.1	53.9
338.0	004.1758	0112.2	027.5	121.9	006.0000	0100.5	044.1	53.9

MINOR CHANGE APPLICATION
ATLANTIC RADIO BROADCASTING, LLC
WRXS (FM) RADIO STATION
CH 295A - 106.9 MHZ - 4.5 KW
OCEAN CITY, MARYLAND
February 2002

EXHIBIT A6

WTDK - BMLH-19891229KA
Channel = 296A
Max ERP = 6 kW
RCAMSL = 114 M
N. Lat = 38 46 02
W. Lng = 75 44 46

WRXS - Proposed
Channel = 295A
Max ERP = 4.5 kW
RCAMSL = 121 M
N. Lat = 38 19 39
W. Lng = 75 11 50

Protected
60 dBu

Interfering
54 dBu

03 Second Terrain Data

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
120.0	006.0000	0100.3	028.3	326.2	002.7030	0110.9	041.8	52.2
121.0	006.0000	0100.4	028.3	325.6	002.6569	0110.9	041.6	52.2
122.0	006.0000	0100.5	028.4	325.0	002.6105	0110.8	041.3	52.2
123.0	006.0000	0100.7	028.4	324.4	002.5637	0110.8	041.1	52.2
124.0	006.0000	0100.8	028.4	323.7	002.5163	0110.8	041.0	52.2
125.0	006.0000	0101.0	028.4	323.1	002.4687	0111.0	040.8	52.2
126.0	006.0000	0101.1	028.4	322.4	002.4209	0111.0	040.6	52.2
127.0	006.0000	0101.3	028.5	321.7	002.3728	0111.0	040.5	52.2
128.0	006.0000	0101.4	028.5	321.1	002.3245	0111.0	040.3	52.1
129.0	006.0000	0101.6	028.5	320.4	002.2762	0110.9	040.2	52.1
130.0	006.0000	0101.7	028.5	319.7	002.2500	0110.9	040.1	52.1
131.0	006.0000	0101.8	028.5	319.0	002.2500	0110.9	040.0	52.1
132.0	006.0000	0101.9	028.5	318.3	002.2500	0111.0	039.9	52.2
133.0	006.0000	0101.9	028.5	317.6	002.2500	0111.0	039.9	52.2
134.0	006.0000	0101.9	028.5	316.8	002.2500	0111.2	039.9	52.2
135.0	006.0000	0102.0	028.6	316.1	002.2500	0111.3	039.8	52.2
136.0	006.0000	0102.1	028.6	315.4	002.2500	0111.3	039.8	52.2
137.0	006.0000	0102.1	028.6	314.7	002.2500	0111.3	039.8	52.2
138.0	006.0000	0102.1	028.6	314.0	002.2500	0111.4	039.9	52.2
139.0	006.0000	0102.1	028.6	313.3	002.2500	0111.4	039.9	52.2
140.0	006.0000	0102.0	028.6	312.6	002.2500	0111.4	040.0	52.2
141.0	006.0000	0102.0	028.6	311.9	002.2500	0111.5	040.1	52.2
142.0	006.0000	0102.0	028.6	311.2	002.2500	0111.5	040.1	52.1
143.0	006.0000	0102.1	028.6	310.5	002.2500	0111.6	040.2	52.1
144.0	006.0000	0102.3	028.6	309.8	002.2667	0111.6	040.3	52.1
145.0	006.0000	0102.5	028.6	309.1	002.3155	0111.6	040.4	52.1
146.0	006.0000	0102.7	028.6	308.4	002.3641	0111.6	040.6	52.2
147.0	006.0000	0102.7	028.6	307.7	002.4120	0111.6	040.7	52.2
148.0	006.0000	0102.6	028.6	307.1	002.4591	0111.7	040.9	52.2
149.0	006.0000	0102.4	028.6	306.4	002.5054	0111.7	041.1	52.2
150.0	006.0000	0102.2	028.6	305.8	002.5514	0111.7	041.3	52.2
151.0	006.0000	0102.0	028.6	305.2	002.5968	0111.8	041.6	52.1
152.0	006.0000	0101.8	028.5	304.6	002.6410	0111.8	041.8	52.1
153.0	006.0000	0101.7	028.5	304.0	002.6858	0111.8	042.1	52.1
154.0	006.0000	0101.8	028.5	303.4	002.7310	0111.8	042.3	52.1
155.0	006.0000	0101.8	028.5	302.8	002.7754	0111.8	042.6	52.0
156.0	006.0000	0101.9	028.5	302.3	002.8194	0111.9	042.8	52.0
157.0	006.0000	0102.0	028.6	301.7	002.8633	0111.9	043.1	51.9
158.0	006.0000	0102.1	028.6	301.2	002.9061	0112.0	043.4	51.9
159.0	006.0000	0102.2	028.6	300.6	002.9481	0112.0	043.7	51.8
160.0	006.0000	0102.4	028.6	300.1	002.9894	0112.0	044.0	51.8

MINOR CHANGE APPLICATION
ATLANTIC RADIO BROADCASTING, LLC
WRXS (FM) RADIO STATION
CH 295A - 106.9 MHZ - 4.5 KW
OCEAN CITY, MARYLAND
February 2002

EXHIBIT A7

WRXS - Proposed
Channel = 295A
Max ERP = 4.5 kW
RCAMSL = 121 M
N. Lat = 38 19 39
W. Lng = 75 11 50

WKHI.C - BPH-20010831ACJ
Channel = 298B1
Max ERP = 18.5 kW
RCAMSL = 109 M
N. Lat = 38 11 54
W. Lng = 75 40 50

Protected
60 dBu

Interfering
100 dBu

03 Second Terrain Data

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
230.0	001.2303	0111.5	020.7	087.7	018.5000	0100.3	026.5	67.3
231.0	001.2637	0111.6	020.9	087.3	018.5000	0100.1	026.1	67.5
232.0	001.2976	0111.6	021.0	086.8	018.5000	0100.1	025.8	67.7
233.0	001.3319	0111.7	021.1	086.3	018.5000	0099.9	025.5	67.9
234.0	001.3667	0111.9	021.3	085.8	018.5000	0099.9	025.2	68.1
235.0	001.4020	0112.1	021.4	085.2	018.5000	0099.8	024.8	68.4
236.0	001.4377	0112.3	021.6	084.6	018.5000	0099.8	024.5	68.6
237.0	001.4738	0112.4	021.7	084.0	018.5000	0099.7	024.2	68.8
238.0	001.5104	0112.5	021.9	083.3	018.5000	0099.7	023.9	69.0
239.0	001.5474	0112.7	022.0	082.6	018.5000	0099.7	023.7	69.2
240.0	001.5849	0112.8	022.1	081.9	018.5000	0099.7	023.4	69.4
241.0	001.6365	0112.9	022.3	081.1	018.5000	0099.6	023.1	69.6
242.0	001.6889	0113.1	022.5	080.3	018.5000	0099.6	022.8	69.8
243.0	001.7421	0113.2	022.7	079.5	018.5000	0099.6	022.5	70.1
244.0	001.7962	0113.2	022.8	078.7	018.5000	0099.5	022.2	70.3
245.0	001.8511	0113.3	023.0	077.7	018.5000	0099.4	022.0	70.4
246.0	001.9068	0113.4	023.2	076.8	018.5000	0099.3	021.7	70.6
247.0	001.9634	0113.5	023.3	075.8	018.5000	0099.2	021.5	70.8
248.0	002.0207	0113.5	023.5	074.8	018.5000	0099.1	021.3	70.9
249.0	002.0789	0113.6	023.6	073.7	018.5000	0099.0	021.1	71.1
250.0	002.1380	0113.7	023.8	072.6	018.5000	0098.9	020.9	71.2
251.0	002.1380	0113.7	023.8	071.5	018.5000	0098.7	020.9	71.2
252.0	002.1380	0113.7	023.8	070.3	018.5000	0098.6	020.9	71.2
253.0	002.1380	0113.8	023.8	069.2	018.5000	0098.3	020.9	71.2
254.0	002.1380	0113.8	023.8	068.0	018.5000	0098.3	020.9	71.1
255.0	002.1380	0113.8	023.8	066.9	018.5000	0098.2	021.0	71.1
256.0	002.1380	0113.8	023.8	065.8	018.5000	0097.9	021.0	71.0
257.0	002.1380	0113.8	023.8	064.7	018.5000	0097.8	021.1	71.0
258.0	002.1380	0113.8	023.8	063.6	018.5000	0097.7	021.2	70.9
259.0	002.1380	0113.8	023.8	062.5	018.5000	0097.4	021.3	70.8
260.0	002.1380	0113.9	023.8	061.4	018.5000	0097.4	021.4	70.7
261.0	002.1795	0113.9	023.9	060.3	018.5000	0097.4	021.5	70.6
262.0	002.2215	0113.9	024.0	059.1	018.5000	0097.5	021.5	70.6
263.0	002.2638	0113.9	024.1	058.0	018.5000	0097.5	021.6	70.5
264.0	002.3066	0113.9	024.2	056.9	018.5000	0097.5	021.7	70.5
265.0	002.3497	0113.9	024.3	055.7	018.5000	0097.5	021.8	70.4
266.0	002.3932	0113.9	024.4	054.6	018.5000	0097.5	021.9	70.3
267.0	002.4372	0113.9	024.5	053.6	018.5000	0097.5	022.1	70.2
268.0	002.4815	0113.9	024.6	052.5	018.5000	0097.3	022.2	70.0
269.0	002.5263	0113.9	024.7	051.5	018.5000	0097.3	022.4	69.9
270.0	002.5714	0113.8	024.8	050.4	018.5000	0097.3	022.6	69.8

MINOR CHANGE APPLICATION
ATLANTIC RADIO BROADCASTING, LLC
WRXS (FM) RADIO STATION
CH 295A - 106.9 MHZ - 4.5 KW
OCEAN CITY, MARYLAND
February 2002

EXHIBIT A8

WKHI.C - BPH-20010831ACJ
Channel = 298B1
Max ERP = 18.5 kW
RCAMSL = 109 M
N. Lat = 38 11 54
W. Lng = 75 40 50

WRXS - Proposed
Channel = 295A
Max ERP = 4.5 kW
RCAMSL = 121 M
N. Lat = 38 19 39
W. Lng = 75 11 50

Protected
57 dBu

Interfering
97 dBu

03 Second Terrain Data

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
050.0	018.5000	0097.3	041.8	320.8	002.3079	0111.0	016.2	67.1
051.0	018.5000	0097.3	041.8	320.8	002.3089	0111.0	015.4	67.7
052.0	018.5000	0097.3	041.8	320.8	002.3080	0111.0	014.7	68.3
053.0	018.5000	0097.4	041.8	320.8	002.3064	0111.0	014.0	69.1
054.0	018.5000	0097.5	041.8	320.7	002.2974	0111.0	013.3	70.0
055.0	018.5000	0097.5	041.8	320.5	002.2822	0110.9	012.5	71.0
056.0	018.5000	0097.5	041.8	320.2	002.2615	0110.9	011.8	72.0
057.0	018.5000	0097.5	041.8	319.7	002.2500	0110.9	011.1	73.1
058.0	018.5000	0097.5	041.8	319.2	002.2500	0110.9	010.4	74.3
059.0	018.5000	0097.5	041.8	318.4	002.2500	0111.0	009.6	75.6
060.0	018.5000	0097.4	041.8	317.3	002.2500	0111.2	008.9	77.0
061.0	018.5000	0097.4	041.8	316.2	002.2500	0111.3	008.2	78.4
062.0	018.5000	0097.4	041.8	314.7	002.2500	0111.3	007.5	79.9
063.0	018.5000	0097.5	041.8	313.0	002.2500	0111.4	006.8	81.7
064.0	018.5000	0097.7	041.8	310.8	002.2500	0111.5	006.1	83.6
065.0	018.5000	0097.8	041.9	307.9	002.3958	0111.6	005.5	85.9
066.0	018.5000	0097.9	041.9	304.0	002.6891	0111.8	004.8	88.4
067.0	018.5000	0098.2	041.9	299.1	003.0000	0112.0	004.2	91.1
068.0	018.5000	0098.3	041.9	292.1	003.0000	0112.2	003.6	93.4
069.0	018.5000	0098.3	041.9	282.7	003.0000	0112.8	003.2	95.5
070.0	018.5000	0098.6	042.0	270.6	002.5944	0113.9	002.8	96.8
071.0	018.5000	0098.7	042.0	255.4	002.1380	0113.8	002.6	97.0
072.0	018.5000	0098.8	042.0	239.5	001.5650	0112.7	002.7	95.3
073.0	018.5000	0098.9	042.0	225.2	001.1905	0111.5	002.9	92.7
074.0	018.5000	0099.0	042.1	213.8	001.1482	0114.9	003.3	90.8
075.0	018.5000	0099.1	042.1	205.2	001.2280	0117.0	003.8	89.1
076.0	018.5000	0099.2	042.1	199.0	001.3823	0118.9	004.4	87.5
077.0	018.5000	0099.3	042.1	194.3	001.6872	0119.6	005.0	86.3
078.0	018.5000	0099.4	042.1	190.8	001.9353	0119.9	005.7	84.9
079.0	018.5000	0099.5	042.1	188.2	002.1722	0120.1	006.4	83.5
080.0	018.5000	0099.6	042.2	186.2	002.3852	0120.2	007.1	82.0
081.0	018.5000	0099.6	042.2	184.7	002.5502	0120.2	007.8	80.6
082.0	018.5000	0099.7	042.2	183.5	002.6838	0120.2	008.5	79.3
083.0	018.5000	0099.7	042.2	182.6	002.7840	0120.2	009.2	78.0
084.0	018.5000	0099.7	042.2	181.9	002.8617	0120.2	009.9	76.8
085.0	018.5000	0099.8	042.2	181.4	002.9246	0120.2	010.7	75.6
086.0	018.5000	0099.9	042.2	180.9	002.9828	0120.2	011.4	74.5
087.0	018.5000	0100.1	042.2	180.5	003.0288	0120.2	012.1	73.4
088.0	018.5000	0100.3	042.3	180.2	003.0666	0120.2	012.9	72.5
089.0	018.5000	0100.4	042.3	180.0	003.0862	0120.2	013.6	71.5
090.0	018.5000	0100.6	042.3	179.9	003.1049	0120.2	014.3	70.6

MINOR CHANGE APPLICATION
ATLANTIC RADIO BROADCASTING, LLC
WRXS (FM) RADIO STATION
CH 295A - 106.9 MHZ - 4.5 KW
OCEAN CITY, MARYLAND
February 2002

EXHIBIT A9

WRXS - Proposed
Channel = 295A
Max ERP = 4.5 kW
RCAMSL = 121 M
N. Lat = 38 19 39
W. Lng = 75 11 50

WKDN - BMLED-19980417KA
Channel = 295B
Max ERP = 50 kW
RCAMSL = 167 M
N. Lat = 39 54 33
W. Lng = 75 06 00

Protected
60 dBu

Interfering
40 dBu

03 Second Terrain Data

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
345.0	004.5000	0113.4	028.1	186.1	050.0000	0152.4	149.3	37.9
346.0	004.5000	0113.5	028.1	185.9	050.0000	0152.4	149.1	38.0
347.0	004.5000	0113.6	028.1	185.7	050.0000	0152.4	148.9	38.0
348.0	004.5000	0113.8	028.1	185.5	050.0000	0152.4	148.8	38.0
349.0	004.5000	0114.0	028.2	185.3	050.0000	0152.4	148.6	38.1
350.0	004.5000	0114.1	028.2	185.2	050.0000	0152.4	148.4	38.1
351.0	004.5000	0114.3	028.2	185.0	050.0000	0152.4	148.3	38.1
352.0	004.5000	0114.4	028.2	184.8	050.0000	0152.4	148.2	38.1
353.0	004.5000	0114.6	028.2	184.6	050.0000	0152.4	148.1	38.1
354.0	004.5000	0114.7	028.2	184.4	050.0000	0152.2	148.0	38.2
355.0	004.5000	0114.8	028.2	184.2	050.0000	0152.2	147.9	38.2
356.0	004.5000	0114.8	028.2	184.0	050.0000	0152.2	147.8	38.2
357.0	004.5000	0114.9	028.2	183.9	050.0000	0152.2	147.7	38.2
358.0	004.5000	0114.9	028.3	183.7	050.0000	0152.2	147.7	38.2
359.0	004.5000	0115.0	028.3	183.5	050.0000	0151.8	147.6	38.2
000.0	004.5000	0115.0	028.3	183.3	050.0000	0151.8	147.6	38.2
001.0	004.5000	0115.2	028.3	183.1	050.0000	0151.8	147.5	38.2
002.0	004.5000	0115.3	028.3	182.9	050.0000	0151.8	147.5	38.2
003.0	004.5000	0115.5	028.3	182.7	050.0000	0151.8	147.5	38.2
004.0	004.5000	0115.8	028.3	182.5	050.0000	0151.8	147.5	38.2
005.0	004.5000	0116.4	028.4	182.3	050.0000	0151.3	147.4	38.2
006.0	004.5000	0116.4	028.4	182.1	050.0000	0151.3	147.4	38.2
007.0	004.5000	0116.5	028.4	181.9	050.0000	0151.3	147.5	38.2
008.0	004.5000	0116.6	028.4	181.7	050.0000	0151.3	147.5	38.2
009.0	004.5000	0116.6	028.4	181.5	050.0000	0151.3	147.6	38.2
010.0	004.5000	0116.6	028.4	181.3	050.0000	0150.9	147.6	38.2
011.0	004.5000	0116.6	028.4	181.2	050.0000	0150.9	147.7	38.2
012.0	004.5000	0116.7	028.4	181.0	050.0000	0150.9	147.8	38.2
013.0	004.5000	0116.7	028.4	180.8	050.0000	0150.9	147.9	38.1
014.0	004.5000	0116.7	028.4	180.6	050.0000	0150.9	148.0	38.1
015.0	004.5000	0116.8	028.4	180.4	050.0000	0150.3	148.1	38.1
016.0	004.5000	0116.8	028.4	180.2	050.0000	0150.3	148.2	38.1
017.0	004.5000	0116.8	028.4	180.0	050.0000	0150.3	148.4	38.0
018.0	004.5000	0116.7	028.4	179.8	050.0000	0150.3	148.5	38.0
019.0	004.5000	0116.7	028.4	179.7	050.0000	0150.3	148.7	38.0
020.0	004.5000	0116.7	028.4	179.5	050.0000	0150.0	148.9	37.9
021.0	004.5000	0116.9	028.5	179.3	050.0000	0150.0	149.0	37.9
022.0	004.5000	0117.0	028.5	179.1	050.0000	0150.0	149.2	37.9
023.0	004.5000	0117.0	028.5	178.9	050.0000	0150.0	149.4	37.9
024.0	004.5000	0117.1	028.5	178.8	050.0000	0150.0	149.6	37.8
025.0	004.5000	0117.4	028.5	178.6	050.0000	0150.0	149.8	37.8

MINOR CHANGE APPLICATION
ATLANTIC RADIO BROADCASTING, LLC
WRXS (FM) RADIO STATION
CH 295A - 106.9 MHZ - 4.5 KW
OCEAN CITY, MARYLAND
February 2002

EXHIBIT A10

WKDN - BMLED-19980417KA
Channel = 295B
Max ERP = 50 kW
RCAMSL = 167 M
N. Lat = 39 54 33
W. Lng = 75 06 00

WRXS - Proposed
Channel = 295A
Max ERP = 4.5 kW
RCAMSL = 121 M
N. Lat = 38 19 39
W. Lng = 75 11 50

Protected
54 dBu

Interfering
34 dBu

03 Second Terrain Data

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
160.0	050.0000	0143.8	064.2	014.6	004.5000	0116.8	119.2	32.1
161.0	050.0000	0143.9	064.2	014.2	004.5000	0116.7	118.5	32.2
162.0	050.0000	0144.3	064.3	013.7	004.5000	0116.7	117.9	32.3
163.0	050.0000	0145.0	064.4	013.3	004.5000	0116.7	117.2	32.4
164.0	050.0000	0146.0	064.5	012.9	004.5000	0116.7	116.6	32.6
165.0	050.0000	0146.8	064.6	012.4	004.5000	0116.7	115.9	32.7
166.0	050.0000	0147.3	064.7	011.9	004.5000	0116.7	115.3	32.8
167.0	050.0000	0147.7	064.8	011.4	004.5000	0116.6	114.8	32.9
168.0	050.0000	0148.0	064.8	010.9	004.5000	0116.6	114.3	33.0
169.0	050.0000	0148.3	064.8	010.4	004.5000	0116.6	113.9	33.0
170.0	050.0000	0148.7	064.9	009.9	004.5000	0116.6	113.4	33.1
171.0	050.0000	0149.1	064.9	009.4	004.5000	0116.6	113.0	33.2
172.0	050.0000	0149.4	065.0	008.8	004.5000	0116.6	112.6	33.3
173.0	050.0000	0149.7	065.0	008.3	004.5000	0116.6	112.2	33.3
174.0	050.0000	0149.6	065.0	007.7	004.5000	0116.6	112.0	33.4
175.0	050.0000	0149.6	065.0	007.2	004.5000	0116.5	111.7	33.4
176.0	050.0000	0149.8	065.0	006.6	004.5000	0116.5	111.5	33.5
177.0	050.0000	0149.9	065.1	006.0	004.5000	0116.4	111.2	33.5
178.0	050.0000	0150.0	065.1	005.5	004.5000	0116.4	111.1	33.6
179.0	050.0000	0150.0	065.1	004.9	004.5000	0116.4	111.0	33.6
180.0	050.0000	0150.3	065.1	004.3	004.5000	0115.8	110.8	33.6
181.0	050.0000	0150.9	065.2	003.7	004.5000	0115.8	110.7	33.6
182.0	050.0000	0151.3	065.2	003.2	004.5000	0115.5	110.6	33.6
183.0	050.0000	0151.8	065.3	002.6	004.5000	0115.5	110.5	33.6
184.0	050.0000	0152.2	065.4	002.0	004.5000	0115.3	110.5	33.6
185.0	050.0000	0152.4	065.4	001.4	004.5000	0115.2	110.5	33.6
186.0	050.0000	0152.4	065.4	000.8	004.5000	0115.2	110.6	33.6
187.0	050.0000	0152.1	065.3	000.2	004.5000	0115.0	110.7	33.6
188.0	050.0000	0151.8	065.3	359.7	004.5000	0115.0	110.9	33.5
189.0	050.0000	0151.5	065.3	359.1	004.5000	0115.0	111.1	33.5
190.0	050.0000	0151.3	065.2	358.5	004.5000	0115.0	111.4	33.5
191.0	050.0000	0151.1	065.2	358.0	004.5000	0114.9	111.6	33.4
192.0	050.0000	0150.9	065.2	357.4	004.5000	0114.9	111.9	33.3
193.0	050.0000	0150.8	065.2	356.9	004.5000	0114.9	112.3	33.3
194.0	050.0000	0150.7	065.2	356.3	004.5000	0114.8	112.6	33.2
195.0	050.0000	0150.8	065.2	355.8	004.5000	0114.8	112.9	33.2
196.0	050.0000	0151.0	065.2	355.2	004.5000	0114.8	113.3	33.1
197.0	050.0000	0151.1	065.2	354.7	004.5000	0114.8	113.7	33.0
198.0	050.0000	0151.2	065.2	354.2	004.5000	0114.7	114.2	32.9
199.0	050.0000	0151.3	065.2	353.7	004.5000	0114.7	114.6	32.8
200.0	050.0000	0151.5	065.3	353.2	004.5000	0114.6	115.1	32.8

MINOR CHANGE APPLICATION
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CH 295A - 106.9 MHZ - 4.5 KW
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EXHIBIT A11

North Latitude: 38° 19' 39"
West Longitude: 75° 11' 50"

HAAT and Distance to Contour - FCC Method - 03 Arc Sec.
WRXS, Ocean City, Maryland

Azi.	AV EL	HAAT	kW	dBk	Field	97 .1	70 .5	60 .5	54 .5	40 .1	34 .1
000	6.0	115.0	4.5000	6.53	1.000	3.27	16.15	28.26	38.68	84.68	108.61
010	4.4	116.6	4.5000	6.53	1.000	3.29	16.28	28.43	38.89	84.94	108.88
020	4.3	116.7	4.5000	6.53	1.000	3.29	16.28	28.44	38.90	84.95	108.89
030	2.5	118.5	4.5000	6.53	1.000	3.31	16.42	28.62	39.13	85.23	109.18
040	1.3	119.7	4.5000	6.53	1.000	3.32	16.51	28.74	39.29	85.43	109.38
050	.7	120.3	4.5000	6.53	1.000	3.33	16.56	28.80	39.37	85.52	109.48
060	.7	120.3	4.5000	6.53	1.000	3.33	16.56	28.80	39.36	85.52	109.48
070	.9	120.1	4.5000	6.53	1.000	3.33	16.54	28.78	39.34	85.48	109.44
080	1.0	120.0	4.5000	6.53	1.000	3.33	16.53	28.76	39.32	85.46	109.42
090	1.0	120.0	4.5000	6.53	1.000	3.33	16.53	28.77	39.33	85.47	109.43
100	1.1	119.9	4.5000	6.53	1.000	3.32	16.53	28.76	39.32	85.46	109.42
110	.9	120.1	4.5000	6.53	1.000	3.33	16.54	28.78	39.34	85.48	109.44
120	.8	120.2	4.5000	6.53	1.000	3.33	16.55	28.78	39.34	85.49	109.45
130	.9	120.1	4.5000	6.53	1.000	3.33	16.54	28.78	39.34	85.49	109.44
140	1.0	120.0	4.5000	6.53	1.000	3.33	16.53	28.77	39.32	85.47	109.42
150	1.0	120.0	4.5000	6.53	1.000	3.33	16.53	28.77	39.32	85.47	109.42
160	1.2	119.8	4.5000	6.53	1.000	3.32	16.52	28.75	39.30	85.44	109.40
170	1.0	120.0	4.5000	6.53	1.000	3.33	16.54	28.77	39.33	85.48	109.43
180	.8	120.2	3.0903	4.90	.829	2.97	14.89	26.47	36.36	79.85	101.97
190	.9	120.1	1.9953	3.00	.666	2.63	13.29	23.99	32.88	73.39	94.37
200	2.4	118.6	1.3183	1.20	.541	2.32	11.94	21.69	29.64	67.27	87.59
210	5.1	115.9	1.1482	0.60	.505	2.21	11.43	20.76	28.45	64.89	85.05
220	8.5	112.5	1.1482	0.60	.505	2.19	11.28	20.48	28.09	64.30	84.52
230	9.5	111.5	1.2303	0.90	.523	2.23	11.42	20.74	28.42	65.07	85.42
240	8.2	112.8	1.5849	2.00	.593	2.41	12.20	22.14	30.26	68.84	89.55
250	7.3	113.7	2.1380	3.30	.689	2.63	13.18	23.80	32.62	73.30	94.51
260	7.1	113.9	2.1380	3.30	.689	2.63	13.19	23.82	32.65	73.34	94.54
270	7.2	113.8	2.5714	4.10	.756	2.78	13.81	24.83	34.10	76.05	97.67
280	7.9	113.1	3.0000	4.77	.816	2.89	14.32	25.63	35.21	78.23	100.30
290	8.8	112.2	3.0000	4.77	.816	2.88	14.26	25.54	35.08	78.06	100.15
300	9.0	112.0	3.0000	4.77	.816	2.88	14.25	25.52	35.06	78.04	100.12
310	9.4	111.6	2.2500	3.52	.707	2.65	13.22	23.88	32.74	73.68	95.03
320	10.0	111.0	2.2500	3.52	.707	2.65	13.19	23.82	32.65	73.57	94.93
330	9.7	111.3	3.0000	4.77	.816	2.87	14.20	25.45	34.97	77.92	100.01
340	8.5	112.5	4.5000	6.53	1.000	3.24	15.95	27.99	38.34	84.28	108.20
350	6.9	114.1	4.5000	6.53	1.000	3.26	16.08	28.17	38.56	84.54	108.47

Additional Radials (Not Considered in Average):

068	.9	120.1	4.5000	6.53	1.000	3.33	16.54	28.78	39.34	85.49	109.44
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Ave El= 4.38 M HAAT= 116.62 M AMSL= 121 M