

MINOR CHANGE APPLICATION
CUMULUS LICENSING LLC
WSJZ-FM RADIO STATION
CH 240C3 - 95.9 MHZ - 21.5 KW
SEBASTIAN, FLORIDA
October 2005

EXHIBIT A

The proposed WSJZ-FM antenna location will be shortspaced to one authorized facility: WHTQ, Channel 243C, Orlando, Florida. The detailed spacing information is shown on Exhibit A1. Cumulus proposes to use the provisions of §73.215 of the Commission's rules to address this shortspaced situation. The shortage to WHTQ complies with §73.215(e) of the Commission's rules.¹

Exhibit A2 specifically demonstrates that there will be no prohibited overlap between the proposed WSJZ-FM and WHTQ. The contours of WHTQ are based on its licensed facilities, since the station was authorized pursuant to §73.215. Attached as Exhibits A3 and A4 are the tabulated distances to the protected and interfering contours, along the pertinent arcs, of the proposed WSJZ-FM and WHTQ. Further, attached as Exhibit A5 are the tabulated and protected contours of the proposed facility, in ten degree increments. Again, there is no prohibited overlap between the facilities.

1) When rounded to the nearest kilometer.

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EXHIBIT A1

Clearance study for WSJZ Sebastian, Florida
Using proposed site as reference

REFERENCE	CLASS = C3	DISPLAY DATES
27 53 21 N.		DATA 10-05-05
80 33 27 W.	Current Spacings	SEARCH 10-05-05
----- Channel 240 - 95.9 MHz -----		

Call	Channel	Location	Power	Azi	Dist	FCC	Margin
Lat.	Lng.	Ant			HAAT		
WSJZFM	LIC 240C3	Sebastian	FL	218.6	10.10	153.0	-142.90
	27 49 05	80 37 18 C	25.000 kW		88 M		
	Cumulus Licensing LLC		BLH-20010405AAB				
 * WHTQ	 LIC-N 243C	 Orlando	 FL	 327.3	 89.71	 96.0	 -6.29
	28 34 07	81 03 16 NCY	100.000 kW		454 M		
	Cox Radio, Inc.		BLH-20011219AAC				
 WLDI	 LIC 238C1	 Fort Pierce	 FL	 168.9	 86.63	 76.0	 10.63
	27 07 19	80 23 20 CX	100.000 kW		282 M		
	Clear Channel Broadcasting		BLH-20020513AAH				
 WRXKFM	 APP 241C	 Bonita Springs	 FL	 199.6	 187.64	 176.0	 11.64
	26 17 37	81 11 30 CX	100.000 kW		597 M		
	WRXK License Limited Part.		BPH-20020718AAO				
 WRXKFM	 LIC 241C	 Bonita Springs	 FL	 213.3	 194.17	 176.0	 18.17
	26 25 22	81 37 49 C	100.000 kW		341 M		
	WRXK License Limited Part.		BMLH-20000928ABL				
 WHOGFM	 LIC 239C3	 Ormond-by-the-sea	 FL	 341.6	 157.58	 99.0	 58.58
	29 14 11	81 04 22 CX	25.000 kW		100 M		
	Black Crow Radio, LLC		BMLH-20040702AEK				
 WBTP	 LIC 239C1	 Clearwater	 FL	 269.8	 203.52	 144.0	 59.52
	27 52 00	82 37 27 CX	100.000 kW		185 M		
	Clear Channel Broadcasting		BMLH-20041215ACC				
 WPYO	 LIC-Z 237C3	 Maitland	 FL	 310.9	 116.86	 43.0	 73.86
	28 34 27	81 27 46 ZCX	12.000 kW		144 M		
	CXR Holdings, L.L.C.		BLH-20040325AHN				

* Note: This shortage is addressed pursuant to §73.215, see Exhibit A.

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EXHIBIT A3

WSJZ-FM - Proposed
Channel = 240C3
Max ERP = 21.5 kW
RCAMSL = 112.47 M
N. Lat = 27 53 21
W. Lng = 80 33 27

WHTQ - BLH-20011219AAC
Channel = 243C
Max ERP = 100 kW
RCAMSL = 463 M
N. Lat = 28 34 07
W. Lng = 81 03 16

Protected
60 dBu

Interfering
100 dBu

30 Second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
310.0	021.5000	0106.5	038.9	159.4	100.0000	0450.4	053.7	75.7
311.0	021.5000	0106.5	038.9	158.8	100.0000	0450.4	053.4	75.8
312.0	021.5000	0106.5	038.9	158.1	100.0000	0450.7	053.1	75.9
313.0	021.5000	0106.5	038.9	157.5	100.0000	0451.0	052.8	76.0
314.0	021.5000	0106.5	038.9	156.8	100.0000	0451.0	052.5	76.1
315.0	021.5000	0106.5	038.9	156.1	100.0000	0451.3	052.3	76.2
316.0	021.5000	0106.5	038.9	155.4	100.0000	0451.6	052.0	76.3
317.0	021.5000	0106.5	038.9	154.7	100.0000	0451.6	051.8	76.4
318.0	021.5000	0106.5	038.9	154.0	100.0000	0451.8	051.6	76.5
319.0	021.5000	0106.5	038.9	153.3	100.0000	0451.9	051.5	76.6
320.0	021.5000	0106.5	038.9	152.5	100.0000	0451.9	051.3	76.6
321.0	021.5000	0106.5	038.9	151.8	100.0000	0452.1	051.2	76.7
322.0	021.5000	0106.5	038.9	151.1	100.0000	0452.3	051.0	76.7
323.0	021.5000	0106.5	038.9	150.3	100.0000	0452.5	051.0	76.8
324.0	021.5000	0106.5	038.9	149.5	100.0000	0452.5	050.9	76.8
325.0	021.5000	0106.5	038.9	148.8	100.0000	0452.8	050.8	76.8
326.0	021.5000	0106.5	038.9	148.0	100.0000	0453.1	050.8	76.9
327.0	021.5000	0106.5	038.9	147.2	100.0000	0453.4	050.8	76.9
328.0	021.5000	0106.5	038.9	146.5	100.0000	0453.8	050.8	76.9
329.0	021.5000	0106.5	038.9	145.7	100.0000	0453.8	050.8	76.9
330.0	021.5000	0106.5	038.9	145.0	100.0000	0454.1	050.9	76.9
331.0	021.5000	0106.5	038.9	144.2	100.0000	0454.3	050.9	76.8
332.0	021.5000	0106.5	038.9	143.4	100.0000	0454.5	051.0	76.8
333.0	021.5000	0106.5	038.9	142.7	100.0000	0454.5	051.1	76.8
334.0	021.5000	0106.5	038.9	141.9	100.0000	0454.6	051.3	76.7
335.0	021.5000	0106.5	038.9	141.2	100.0000	0454.6	051.4	76.7
336.0	021.5000	0106.5	038.9	140.5	100.0000	0454.6	051.6	76.6
337.0	021.5000	0106.5	038.9	139.8	100.0000	0454.6	051.8	76.5
338.0	021.5000	0106.5	038.9	139.0	100.0000	0454.6	052.0	76.4
339.0	021.5000	0106.5	038.9	138.3	100.0000	0454.7	052.2	76.4
340.0	021.5000	0106.5	038.9	137.6	100.0000	0454.7	052.5	76.3
341.0	021.5000	0106.5	038.9	137.0	100.0000	0454.8	052.7	76.2
342.0	021.5000	0106.5	038.9	136.3	100.0000	0455.0	053.0	76.1
343.0	021.5000	0106.5	038.9	135.6	100.0000	0455.0	053.3	75.9
344.0	021.5000	0106.5	038.9	135.0	100.0000	0455.3	053.7	75.8
345.0	021.5000	0106.5	038.9	134.4	100.0000	0455.5	054.0	75.7
346.0	021.5000	0106.5	038.9	133.8	100.0000	0455.5	054.3	75.6
347.0	021.5000	0106.5	038.9	133.2	100.0000	0455.8	054.7	75.4
348.0	021.5000	0106.6	038.9	132.6	100.0000	0455.8	055.1	75.3
349.0	021.5000	0106.6	038.9	132.0	100.0000	0456.0	055.5	75.2
350.0	021.5000	0106.6	038.9	131.4	100.0000	0456.4	055.9	75.0

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EXHIBIT A4

WHTQ - BLH-20011219AAC
Channel = 243C
Max ERP = 100 kW
RCAMSL = 463 M
N. Lat = 28 34 07
W. Lng = 81 03 16

WSJZ-FM - Proposed
Channel = 240C3
Max ERP = 21.5 kW
RCAMSL = 112.47 M
N. Lat = 27 53 21
W. Lng = 80 33 27

Protected
60 dBu

Interfering
100 dBu

30 Second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
120.0	100.0000	0458.9	084.1	035.6	021.5000	0111.6	041.0	61.6
121.0	100.0000	0458.9	084.1	035.8	021.5000	0111.6	039.5	62.2
122.0	100.0000	0458.9	084.1	035.9	021.5000	0111.6	038.1	62.8
123.0	100.0000	0459.0	084.1	036.1	021.5000	0111.6	036.6	63.5
124.0	100.0000	0459.0	084.1	036.2	021.5000	0111.6	035.1	64.2
125.0	100.0000	0458.9	084.1	036.3	021.5000	0111.6	033.7	64.9
126.0	100.0000	0458.7	084.1	036.3	021.5000	0111.6	032.2	65.6
127.0	100.0000	0458.3	084.0	036.2	021.5000	0111.6	030.7	66.4
128.0	100.0000	0457.8	084.0	036.1	021.5000	0111.6	029.3	67.2
129.0	100.0000	0457.3	084.0	035.9	021.5000	0111.6	027.8	68.1
130.0	100.0000	0456.8	083.9	035.6	021.5000	0111.6	026.3	69.0
131.0	100.0000	0456.4	083.9	035.3	021.5000	0111.6	024.9	70.0
132.0	100.0000	0456.0	083.9	034.8	021.5000	0111.6	023.4	71.1
133.0	100.0000	0455.8	083.8	034.3	021.5000	0111.5	022.0	72.2
134.0	100.0000	0455.5	083.8	033.6	021.5000	0111.5	020.5	73.3
135.0	100.0000	0455.3	083.8	032.7	021.5000	0111.5	019.1	74.4
136.0	100.0000	0455.0	083.8	031.6	021.5000	0111.4	017.7	75.6
137.0	100.0000	0454.8	083.8	030.3	021.5000	0111.3	016.3	76.7
138.0	100.0000	0454.7	083.8	028.6	021.5000	0111.2	014.9	77.8
139.0	100.0000	0454.6	083.8	026.5	021.5000	0110.9	013.5	79.4
140.0	100.0000	0454.6	083.8	023.8	021.5000	0110.8	012.2	81.2
141.0	100.0000	0454.6	083.8	020.4	021.5000	0110.7	010.9	83.2
142.0	100.0000	0454.6	083.8	015.9	021.5000	0110.6	009.7	85.4
143.0	100.0000	0454.5	083.8	010.0	021.5000	0110.3	008.5	87.5
144.0	100.0000	0454.3	083.7	002.3	021.5000	0109.1	007.5	89.5
145.0	100.0000	0454.1	083.7	352.5	021.5000	0106.6	006.8	91.3
146.0	100.0000	0453.8	083.7	340.4	021.5000	0106.5	006.3	92.7
147.0	100.0000	0453.4	083.7	327.0	021.5000	0106.5	006.1	93.1
148.0	100.0000	0453.1	083.7	313.6	021.5000	0106.5	006.3	92.5
149.0	100.0000	0452.8	083.6	301.8	021.5000	0106.5	006.9	91.0
150.0	100.0000	0452.5	083.6	292.2	021.5000	0106.5	007.7	89.0
151.0	100.0000	0452.3	083.6	284.6	021.5000	0106.5	008.7	86.9
152.0	100.0000	0452.1	083.6	278.8	021.5000	0106.5	009.8	84.8
153.0	100.0000	0451.9	083.6	274.4	021.5000	0106.5	011.0	82.7
154.0	100.0000	0451.8	083.6	270.9	021.5000	0106.5	012.3	80.7
155.0	100.0000	0451.6	083.5	268.2	021.5000	0106.5	013.6	78.9
156.0	100.0000	0451.3	083.5	266.1	021.5000	0106.5	015.0	77.3
157.0	100.0000	0451.0	083.5	264.5	021.5000	0106.5	016.4	76.2
158.0	100.0000	0450.7	083.5	263.2	021.5000	0106.5	017.8	75.1
159.0	100.0000	0450.4	083.5	262.1	021.5000	0106.5	019.2	73.9
160.0	100.0000	0450.3	083.5	261.3	021.5000	0106.5	020.6	72.8

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EXHIBIT A5

Predicted contour:

N. Lat. = 27 53 21 - Tabulated Protected and Interfering Contour Data
W. Lng. = 80 33 27 - WSJZ-FM Radio Station - Sebastian, Florida

HAAT and Distance to Contour - FCC Method - 30 Arc Second terrain database								
Azi.	HAAT	ERP kW	dBk	Field	60-F5	40-F1	54-F1	100-F1
000	108.5	21.5000	13.32	1.000	39.22	111.58	59.85	4.06
010	110.3	21.5000	13.32	1.000	39.48	111.88	60.16	4.09
020	110.7	21.5000	13.32	1.000	39.54	111.95	60.23	4.10
030	111.3	21.5000	13.32	1.000	39.61	112.04	60.32	4.11
040	111.8	21.5000	13.32	1.000	39.70	112.14	60.41	4.12
050	112.2	21.5000	13.32	1.000	39.74	112.19	60.46	4.13
060	112.2	21.5000	13.32	1.000	39.75	112.20	60.47	4.13
070	112.1	21.5000	13.32	1.000	39.73	112.18	60.45	4.12
080	111.9	21.5000	13.32	1.000	39.71	112.16	60.43	4.12
090	111.7	21.5000	13.32	1.000	39.67	112.11	60.39	4.12
100	111.4	21.5000	13.32	1.000	39.63	112.06	60.34	4.11
110	111.0	21.5000	13.32	1.000	39.58	112.01	60.28	4.11
120	110.6	21.5000	13.32	1.000	39.52	111.93	60.21	4.10
130	110.5	21.5000	13.32	1.000	39.50	111.91	60.18	4.10
140	110.2	21.5000	13.32	1.000	39.46	111.86	60.14	4.09
150	110.4	21.5000	13.32	1.000	39.48	111.89	60.16	4.09
160	107.6	21.5000	13.32	1.000	39.08	111.41	59.69	4.04
170	106.5	21.5000	13.32	1.000	38.91	111.22	59.50	4.02
180	106.5	21.5000	13.32	1.000	38.91	111.22	59.50	4.02
190	106.1	21.5000	13.32	1.000	38.85	111.16	59.43	4.01
200	106.5	21.5000	13.32	1.000	38.91	111.22	59.50	4.02
210	106.5	21.5000	13.32	1.000	38.91	111.22	59.50	4.02
220	106.5	21.5000	13.32	1.000	38.91	111.22	59.50	4.02
230	106.5	21.5000	13.32	1.000	38.91	111.22	59.50	4.02
240	106.4	21.5000	13.32	1.000	38.90	111.22	59.49	4.02
250	106.2	21.5000	13.32	1.000	38.87	111.18	59.45	4.02
260	106.5	21.5000	13.32	1.000	38.91	111.22	59.50	4.02
270	106.5	21.5000	13.32	1.000	38.91	111.22	59.50	4.02
280	106.5	21.5000	13.32	1.000	38.91	111.22	59.50	4.02
290	106.5	21.5000	13.32	1.000	38.91	111.22	59.50	4.02
300	106.5	21.5000	13.32	1.000	38.91	111.22	59.50	4.02
310	106.5	21.5000	13.32	1.000	38.91	111.22	59.50	4.02
320	106.5	21.5000	13.32	1.000	38.91	111.22	59.50	4.02
330	106.5	21.5000	13.32	1.000	38.91	111.22	59.50	4.02
340	106.5	21.5000	13.32	1.000	38.91	111.22	59.50	4.02
350	106.6	21.5000	13.32	1.000	38.93	111.25	59.52	4.02

AMSL= 112.47 M