

**Contour Overlap Requirements**

**Proposed Minor Modification**

This minor modification proposes a power increase only as follows:

	LICENSED	PROPOSED
CHANNEL	213	213
CLASS	C3	C3
ERP	8.5 kW, circular, non-directional	25.0 kW, circular, non-directional
HAAT	76 M	76 M
COORDINATES	32 27 37 / 85 00 30	32 27 37 / 85 00 30
ASRN	1019566	1019566
SITE AMSL	122 M	122 M
Tower AGL	79 M	79 M
Tower AMSL	201 M	201 M
COR AGL	62 M	62 M
COR AMSL	184 M	184 M

In accordance with Section 73.3573, the proposed 1 mV/m contour will overlap the existing 1 mv/m contour and will continue to provide coverage to the community of license of Columbus, GA (Reference Exhibit 14, Community Coverage Compliance with Section 73.515).

WFRC will operate in compliance with all applicable FCC rules and regulations including those not specifically addressed in this minor modification.

The below listed pages of this Exhibit contains information as indicated.

Page 2	Tabulation of HAAT / distance to 1 mV/m contour
Page 3	Existing and proposed 1 mV/m contour map
Page 4 - 7	Allocation Study

**Contour Overlap Requirements**

**Tabulation of HAAT / distance to 1 mV/m contour**

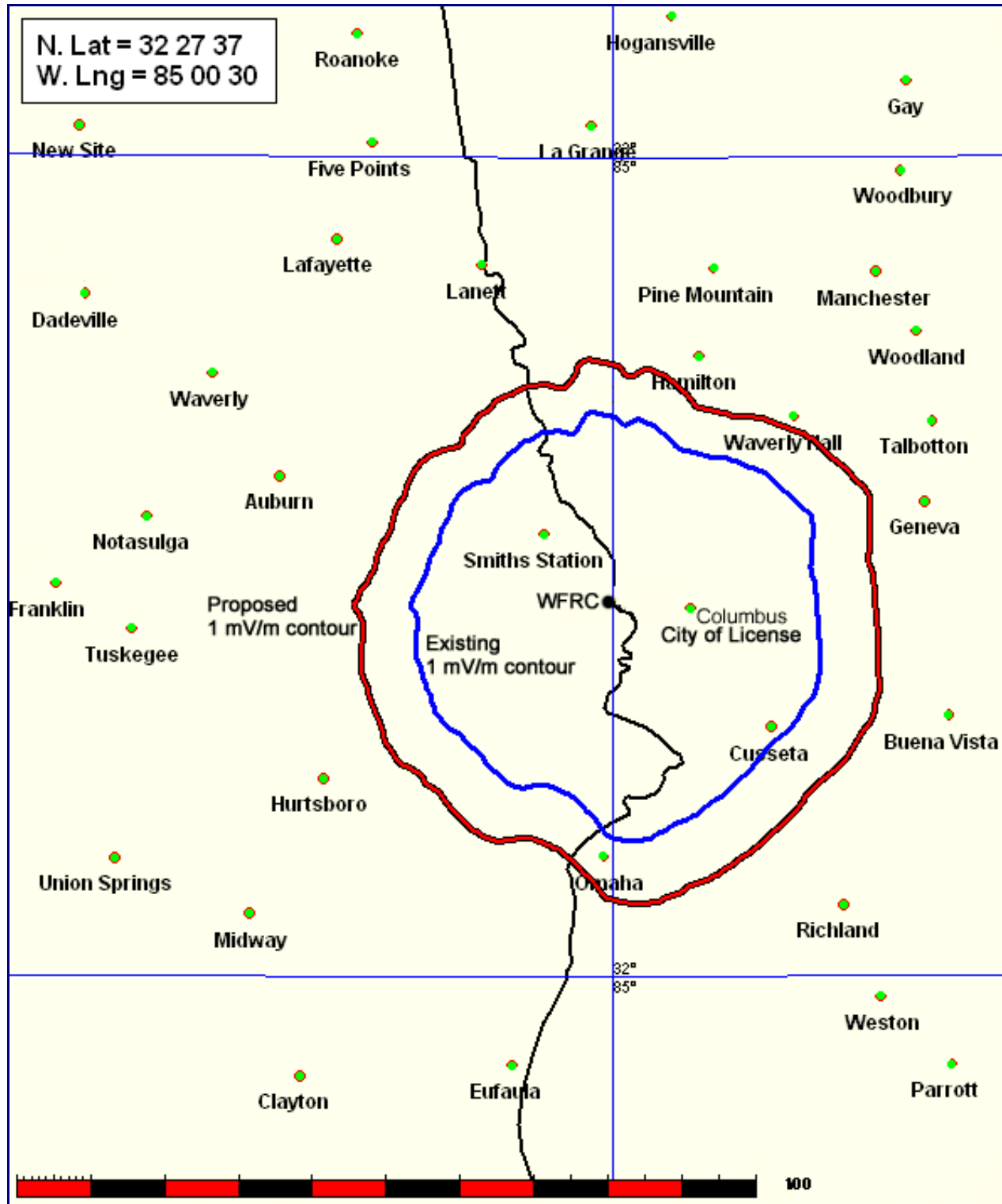
CH 213 C3    32 27 37 / 85 00 30    25.0 kW ERP, circular, non-directional    184 M COR AMSL    76 M HAAT

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	120.1	63.9	25.0000	13.98	1.000	31.92
010	121.0	63.0	25.0000	13.98	1.000	31.72
020	128.4	55.6	25.0000	13.98	1.000	30.01
030	130.7	53.3	25.0000	13.98	1.000	29.40
040	119.3	64.7	25.0000	13.98	1.000	32.09
045	113.6	70.4	25.0000	13.98	1.000	33.38
050	106.9	77.1	25.0000	13.98	1.000	34.79
060	98.3	85.7	25.0000	13.98	1.000	36.52
070	90.9	93.1	25.0000	13.98	1.000	37.89
080	101.2	82.8	25.0000	13.98	1.000	35.96
090	99.1	84.9	25.0000	13.98	1.000	36.37
100	94.0	90.0	25.0000	13.98	1.000	37.33
110	84.7	99.3	25.0000	13.98	1.000	38.96
120	85.5	98.5	25.0000	13.98	1.000	38.84
130	90.0	94.0	25.0000	13.98	1.000	38.05
135	90.4	93.6	25.0000	13.98	1.000	37.99
140	87.3	96.7	25.0000	13.98	1.000	38.52
150	82.4	101.6	25.0000	13.98	1.000	39.35
160	76.3	107.7	25.0000	13.98	1.000	40.29
170	68.4	115.6	25.0000	13.98	1.000	41.45
180	74.4	109.6	25.0000	13.98	1.000	40.58
190	107.0	77.0	25.0000	13.98	1.000	34.78
200	108.6	75.4	25.0000	13.98	1.000	34.44
210	100.8	83.2	25.0000	13.98	1.000	36.04
220	107.2	76.8	25.0000	13.98	1.000	34.74
225	106.8	77.2	25.0000	13.98	1.000	34.81
230	104.7	79.3	25.0000	13.98	1.000	35.26
240	105.2	78.8	25.0000	13.98	1.000	35.16
250	108.0	76.0	25.0000	13.98	1.000	34.57
260	112.7	71.3	25.0000	13.98	1.000	33.58
270	111.1	72.9	25.0000	13.98	1.000	33.91
280	121.4	62.6	25.0000	13.98	1.000	31.63
290	125.1	58.9	25.0000	13.98	1.000	30.81
300	123.7	60.3	25.0000	13.98	1.000	31.12
310	125.6	58.4	25.0000	13.98	1.000	30.69
315	132.2	51.8	25.0000	13.98	1.000	29.00
320	129.8	54.2	25.0000	13.98	1.000	29.63
330	125.8	58.2	25.0000	13.98	1.000	30.64
340	125.3	58.7	25.0000	13.98	1.000	30.76
350	129.5	54.5	25.0000	13.98	1.000	29.73

(Yellow highlighted values establish average HAAT)

Contour Overlap Requirements

Existing and Proposed 1 mV/m Contour



**Contour Overlap Requirements**

**Allocation Study**

CH 213 C3 32 27 37 / 85 00 30 25.0 kW ERP, circular, non-directional 184 M COR AMSL 76 M HAAT

CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	COR(M) INT(km)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
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Reference station existing CP:

213C3	WFRC	LIC CN	0.0	0.00	32 27 37	8.500	184	24.9	-117.73*	-132.03*
Columbus		GA	0.0	BLED19850717KQ	85 00 30	64	85.8	Family Stations, Inc.		

First, second, & third adjacent channel relationships:

210C1	WTSU	LIC DCX	245.3	105.27	32 03 40	100.000	356	67.1	61.40	34.56
Montgomery-troy		AL	64.8	BLED20060508ABN	86 01 19	237	9.0	Troy State University		

212C2	WDYF	LIC CX	204.1	137.86	31 19 29	9.200	250	40.2	42.52	40.96
Dothan		AL	23.8	BLED20070514AEM	85 36 06	174	59.4	Faith Broadcasting, Inc.		

212C2	WAEF	LIC DV	127.2	149.73	31 38 22	11.000	263	41.1	50.48	49.10
Cordele		GA	307.9	BLED20010607AAH	83 44 58	168	60.8	American Family Associatio		

213C2	WPWB	LIC CN	80.4	155.85	32 40 55	16.500	260	41.9	8.06	3.45
Byron		GA	261.3	BLED19900319KA	83 22 10	146	111.9	Augusta Radio Fellowship I		

213A	990701	APP VX	169.2	146.06	31 09 58	4.500	99	18.0	35.52	11.77
Colquitt		GA	349.4	BPED19990701MA	84 43 15	45	69.2	D & K Communications , Inc		

214A	WWXC	LIC CX	145.6	109.50	31 38 42	5.500	172	25.7	31.07	23.80
Albany		GA	326.0	BLED20011121AAQ	84 21 15	85	39.5	Lamad Ministries, Inc.		

214C1	WVAS	LIC CN	265.4	121.43	32 21 58	80.000	163	48.5	11.69	19.32
Montgomery		AL	84.7	BLED19920401KA	86 17 40	98	76.5	Alabama State University (		

214A	WUWG	LIC CN	359.6	122.40	33 33 50	0.500	463	21.7	58.10	48.67
Carrollton		GA	179.6	BLED19850402LP	85 01 04	196	32.3	Georgia Public Telecommuni		

214C2	WMVV	LIC DCX	38.7	129.92	33 22 12	4.606	381	32.0	49.88	46.35
Griffin		GA	219.2	BLED20030321ABI	84 08 00	150	48.4	Life Radio Ministries, Inc		

215A	WOAK	LIC CN	2.2	56.10	32 57 57	3.400	318	23.2	22.19	29.64
La Grange		GA	182.2	BLED19840620CY	84 59 08	86	2.2	Oakside Christian School		

216A	WEGL	LIC CN	289.6	47.65	32 36 11	3.000	248	19.0	14.96	25.54
Auburn		AL	109.4	BLED19881215KD	85 29 12	60	1.9	Board Of Trustees Auburn U		

i.f. relationships:

266A	WTGA-F	LIC NCN	50.7	71.08	32 51 49	6.000	302	28.9	12.0R	59.1M
Thomaston		GA	231.0	BLH19950818KD	84 25 10	105	31.2	Radio Georgia, Inc.		

266A	WTGA-F	CP CX	43.8	83.80	33 00 12	1.670	434	26.2	12.0R	71.8M
Thomaston		GA	224.1	BMPH20070122ADB	84 23 12	162	28.2	Radio Georgia, Inc.		

267A	WBFA	LIC C	252.9	12.84	32 25 35	6.000	213	29.3	12.0R	0.8M
Smiths		AL	72.9	BLH19981023KB	85 08 20	107	31.6	Cc Licenses, Llc		

CH 6 TV relationships:

06-2C	WBRC	LI CY	304.9	202.59	33 29 19	100.000	615	112.4	193.0R	9.6M
Birmingham		AL	123.9	BLCT19880229KI	86 47 58	420	20.1	Fox Television Stations, I		

ERP and HAAT on direct-line with reference station. • affixed to TV6 Margin= no direct-line contour overlap.  
 "\*"affixed to 'IN' or 'Out' values = site inside protected contour.

Following pages of this Exhibit contain information on the lack of prohibited overlap of the above highlighted facility.

**Contour Overlap Requirements**

**Allocation Study**

Tabulation of CH 213, WFRC (LIC) MOD 60 dBu protected contour & CH 213, WPWB (LIC) 40 dBu interference contour

WFRC (LIC) MOD				WPWB (LIC)				
CH 213 C3				CH 213 C2				
25.0 kW				16.5 kW				
184 M COR AMSL				260 M COR AMSL				
32 27 37 / 85 00 30				32 40 55 / 83 22 10				
60 dBu Protected				40 dBu Interference				
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
050.0	025.0000	0077.1	034.8	269.4	016.5000	0141.3	127.1	37.02
051.0	025.0000	0078.4	035.1	269.2	016.5000	0141.3	126.5	37.13
052.0	025.0000	0079.5	035.3	269.1	016.5000	0141.3	126.0	37.23
053.0	025.0000	0080.2	035.4	268.9	016.5000	0141.3	125.5	37.32
054.0	025.0000	0080.7	035.5	268.7	016.5000	0141.3	125.0	37.40
055.0	025.0000	0081.2	035.6	268.4	016.5000	0142.7	124.6	37.52
056.0	025.0000	0081.9	035.8	268.2	016.5000	0142.7	124.2	37.60
057.0	025.0000	0082.6	035.9	268.0	016.5000	0142.7	123.7	37.68
058.0	025.0000	0083.5	036.1	267.8	016.5000	0142.7	123.3	37.77
059.0	025.0000	0084.5	036.3	267.6	016.5000	0142.7	122.8	37.85
060.0	025.0000	0085.7	036.5	267.4	016.5000	0143.9	122.3	37.98
061.0	025.0000	0086.8	036.7	267.1	016.5000	0143.9	121.8	38.07
062.0	025.0000	0087.9	036.9	266.9	016.5000	0143.9	121.4	38.15
063.0	025.0000	0088.9	037.1	266.7	016.5000	0143.9	120.9	38.23
064.0	025.0000	0090.1	037.3	266.4	016.5000	0144.5	120.5	38.33
065.0	025.0000	0091.6	037.6	266.2	016.5000	0144.5	120.0	38.43
066.0	025.0000	0093.2	037.9	265.9	016.5000	0144.5	119.5	38.52
067.0	025.0000	0094.3	038.1	265.7	016.5000	0144.5	119.1	38.59
068.0	025.0000	0094.6	038.2	265.4	016.5000	0144.8	118.8	38.65
069.0	025.0000	0094.2	038.1	265.0	016.5000	0144.8	118.7	38.67
070.0	025.0000	0093.1	037.9	264.7	016.5000	0144.8	118.8	38.66
071.0	025.0000	0092.1	037.7	264.4	016.5000	0145.2	118.8	38.67
072.0	025.0000	0090.9	037.5	264.0	016.5000	0145.2	118.9	38.65
073.0	025.0000	0089.8	037.3	263.7	016.5000	0145.2	118.9	38.64
074.0	025.0000	0088.6	037.1	263.4	016.5000	0145.4	119.0	38.63
075.0	025.0000	0087.4	036.9	263.1	016.5000	0145.4	119.2	38.60
076.0	025.0000	0086.5	036.7	262.7	016.5000	0145.4	119.3	38.58
077.0	025.0000	0086.0	036.6	262.4	016.5000	0145.6	119.3	38.58
078.0	025.0000	0085.1	036.4	262.1	016.5000	0145.6	119.4	38.56
079.0	025.0000	0084.1	036.2	261.8	016.5000	0145.6	119.6	38.53
080.0	025.0000	0082.8	036.0	261.5	016.5000	0146.2	119.8	38.50
081.0	025.0000	0082.1	035.8	261.2	016.5000	0146.2	120.0	38.48
082.0	025.0000	0082.1	035.8	260.9	016.5000	0146.2	120.0	38.47
083.0	025.0000	0082.7	035.9	260.6	016.5000	0146.2	119.9	38.49
084.0	025.0000	0083.5	036.1	260.3	016.5000	0146.7	119.8	38.53
085.0	025.0000	0084.0	036.2	260.0	016.5000	0146.7	119.8	38.53
086.0	025.0000	0084.3	036.2	259.7	016.5000	0146.7	119.8	38.53
087.0	025.0000	0084.4	036.3	259.4	016.5000	0147.1	119.8	38.53
088.0	025.0000	0084.5	036.3	259.1	016.5000	0147.1	119.9	38.52
089.0	025.0000	0084.7	036.3	258.8	016.5000	0147.1	120.0	38.51
090.0	025.0000	0084.9	036.4	258.5	016.5000	0147.4	120.1	38.50

**Contour Overlap Requirements**

**Allocation Study**

Tabulation of CH 213, WPWB (LIC) 60 dBu protected contour & CH 213, WFRC (LIC) MOD 40 dBu interference contour

WPWB (LIC) CH 213 C2 16.5 kW 260 M COR AMSL 32 40 55 / 83 22 10				WFRC (LIC) MOD CH 213 C3 25.0 kW 184 M COR AMSL 32 27 37 / 85 00 30				
60 dBu Protected				40 dBu Interference				
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
240.0	016.5000	0158.5	043.5	088.3	025.0000	0084.5	116.5	38.99
241.0	016.5000	0158.2	043.4	087.9	025.0000	0084.5	116.1	39.05
242.0	016.5000	0157.9	043.4	087.6	025.0000	0084.5	115.8	39.10
243.0	016.5000	0157.5	043.3	087.2	025.0000	0084.4	115.5	39.15
244.0	016.5000	0157.1	043.3	086.9	025.0000	0084.4	115.3	39.20
245.0	016.5000	0156.8	043.3	086.5	025.0000	0084.4	115.0	39.24
246.0	016.5000	0156.3	043.2	086.2	025.0000	0084.3	114.8	39.28
247.0	016.5000	0155.4	043.1	085.8	025.0000	0084.3	114.6	39.31
248.0	016.5000	0154.4	043.0	085.4	025.0000	0084.0	114.5	39.32
249.0	016.5000	0153.5	042.9	085.0	025.0000	0084.0	114.4	39.34
250.0	016.5000	0152.6	042.7	084.7	025.0000	0084.0	114.3	39.36
251.0	016.5000	0151.8	042.6	084.3	025.0000	0083.5	114.2	39.36
252.0	016.5000	0151.0	042.5	083.9	025.0000	0083.5	114.1	39.37
253.0	016.5000	0150.0	042.4	083.5	025.0000	0083.5	114.1	39.38
254.0	016.5000	0149.0	042.3	083.1	025.0000	0082.7	114.1	39.36
255.0	016.5000	0148.1	042.2	082.8	025.0000	0082.7	114.1	39.36
256.0	016.5000	0147.5	042.1	082.4	025.0000	0082.1	114.0	39.34
257.0	016.5000	0147.4	042.1	082.0	025.0000	0082.1	114.0	39.36
258.0	016.5000	0147.4	042.1	081.7	025.0000	0082.1	113.9	39.37
259.0	016.5000	0147.1	042.1	081.3	025.0000	0082.1	113.9	39.37
260.0	016.5000	0146.7	042.0	080.9	025.0000	0082.1	113.9	39.37
261.0	016.5000	0146.2	041.9	080.5	025.0000	0082.1	114.0	39.35
262.0	016.5000	0145.6	041.9	080.2	025.0000	0082.8	114.0	39.36
263.0	016.5000	0145.4	041.8	079.8	025.0000	0082.8	114.1	39.36
264.0	016.5000	0145.2	041.8	079.4	025.0000	0084.1	114.2	39.38
265.0	016.5000	0144.8	041.8	079.1	025.0000	0084.1	114.3	39.37
266.0	016.5000	0144.5	041.7	078.7	025.0000	0084.1	114.4	39.35
267.0	016.5000	0143.9	041.7	078.3	025.0000	0085.1	114.5	39.35
268.0	016.5000	0142.7	041.5	078.0	025.0000	0085.1	114.8	39.31
269.0	016.5000	0141.3	041.3	077.7	025.0000	0085.1	115.1	39.25
270.0	016.5000	0139.9	041.1	077.3	025.0000	0086.0	115.4	39.23
271.0	016.5000	0138.8	041.0	077.0	025.0000	0086.0	115.7	39.17
272.0	016.5000	0138.3	040.9	076.7	025.0000	0086.0	115.9	39.13
273.0	016.5000	0138.0	040.9	076.3	025.0000	0086.5	116.2	39.11
274.0	016.5000	0137.6	040.9	076.0	025.0000	0086.5	116.4	39.07
275.0	016.5000	0136.8	040.7	075.7	025.0000	0086.5	116.7	39.01
276.0	016.5000	0135.6	040.6	075.4	025.0000	0087.4	117.1	38.98
277.0	016.5000	0134.2	040.4	075.1	025.0000	0087.4	117.5	38.91
278.0	016.5000	0133.0	040.3	074.8	025.0000	0087.4	117.9	38.84
279.0	016.5000	0132.6	040.2	074.5	025.0000	0088.6	118.2	38.82
280.0	016.5000	0132.1	040.1	074.2	025.0000	0088.6	118.6	38.76

**Contour Overlap Requirements**

**Allocation Study**

Map of CH 213, WFRC (LIC) MOD & CH 213, WPWB (LIC) 60 dBu protected contours & 40 dBu interference contours

WFRC (LIC) MOD  
CH 213 C3  
25.0 kW  
184 M COR AMSL  
32 27 37 / 85 00 30

WPWB (LIC)  
CH 213 C2  
16.5 kW  
260 M COR AMSL  
32 40 55 / 83 22 10

