

**MINOR CHANGE APPLICATION**  
**GULF COAST COMMUNITY COLLEGE**  
**WKGC-FM RADIO STATION**  
**CH 214C1 - 90.7 MHz - 100.0 kW - ND**  
**PANAMA CITY, FLORIDA**  
**February 2006**

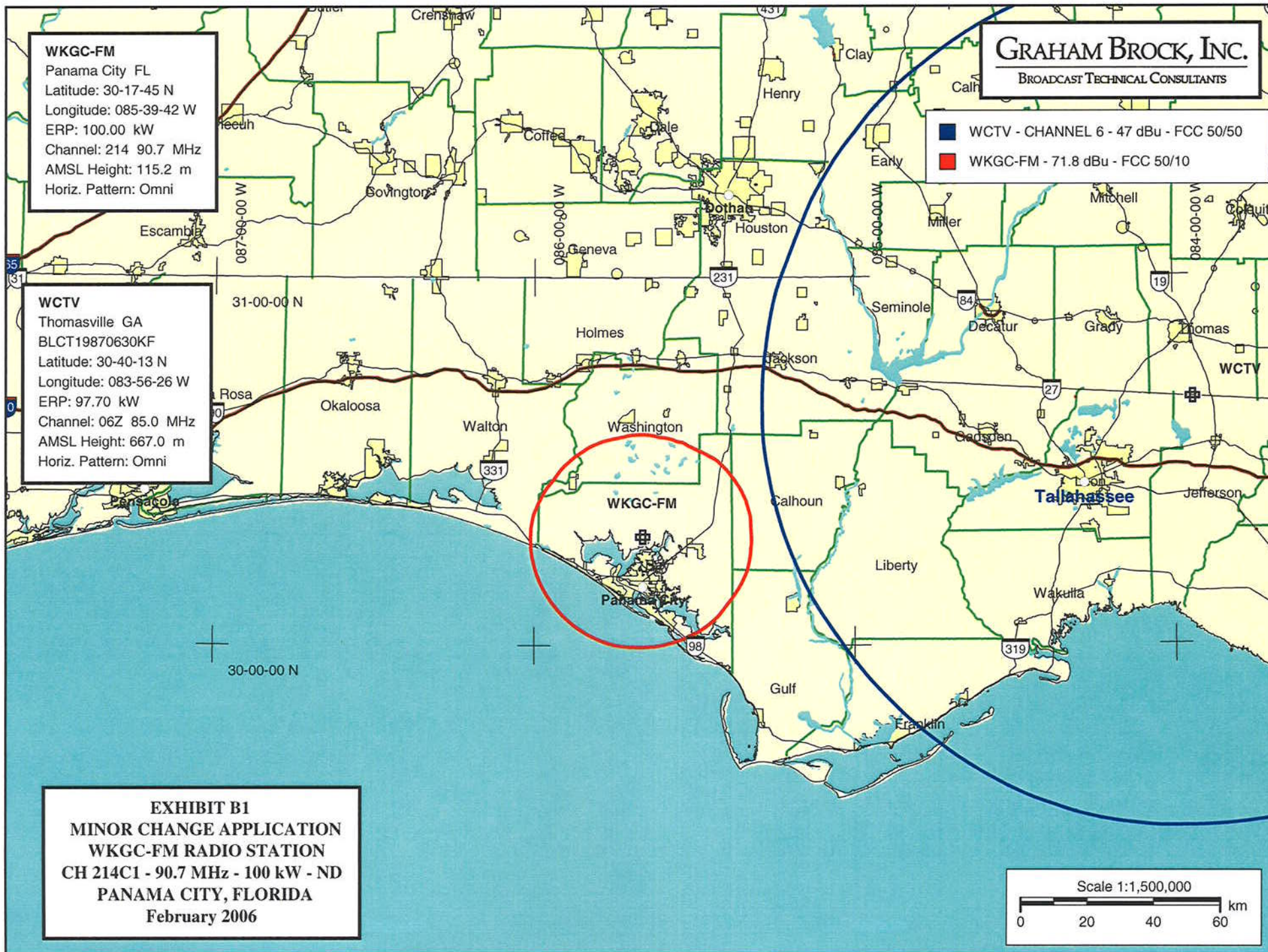
**EXHIBIT B**

**Channel 6 Television Interference Analysis**

The proposed WKGC-FM is located within the distance specified in §73.525(a)(1) of the rules as it relates to WCTV, Channel 6, Thomasville, Georgia. WCTV operates with an effective radiated power of 97.7 kilowatts with a height above average terrain of 619 meters. The WCTV site is located at North Latitude 30° 40' 13" and West Longitude 83° 56' 26".

The proposed WKGC-FM facility will operate with a circularly polarized antenna with an effective radiated power of 100.0 kilowatts in the horizontal and vertical planes. The proposed WKGC-FM site is outside the 47.0 dBu Grade B contour of WCTV. The 47 dBu (50/50) Grade B contour of WCTV is shown on Exhibit B1. Pursuant to §73.525 of the rules, the WKGC-FM 71.8 dBu (50/10) contour would have to cross the WCTV 47.0 dBu contour.

As shown on Exhibit B1, the WKGC-FM interfering contour falls short of reaching the WCTV protected contour. As such, it is believed this proposal is in compliance with §73.525 of the Commission's rules.





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**EXHIBIT B2**

**WKGC - Channel 6 Interference Contour**

N. Lat. = 30-17-45  
W. Lng. = 85-39-42

HAAT and Distance to Contour - FCC Method - 30 Arc Sec.						
Azi.	AV EL	HAAT	ERP kW	dBk	Field	71.8-F1
000	16.5	98.7	100.0000	20.00	1.000	30.94
010	18.7	96.5	100.0000	20.00	1.000	30.55
020	17.8	97.4	100.0000	20.00	1.000	30.71
030	16.6	98.6	100.0000	20.00	1.000	30.92
040	12.1	103.1	100.0000	20.00	1.000	31.72
050	8.4	106.8	100.0000	20.00	1.000	32.37
060	6.9	108.3	100.0000	20.00	1.000	32.61
070	4.9	110.3	100.0000	20.00	1.000	32.94
080	4.8	110.4	100.0000	20.00	1.000	32.95
090	6.0	109.2	100.0000	20.00	1.000	32.76
100	5.2	110.0	100.0000	20.00	1.000	32.89
110	4.4	110.8	100.0000	20.00	1.000	33.02
120	5.9	109.3	100.0000	20.00	1.000	32.79
130	6.5	108.7	100.0000	20.00	1.000	32.69
140	4.1	111.1	100.0000	20.00	1.000	33.07
150	3.9	111.3	100.0000	20.00	1.000	33.10
160	3.9	111.3	100.0000	20.00	1.000	33.11
170	3.5	111.7	100.0000	20.00	1.000	33.17
180	2.8	112.4	100.0000	20.00	1.000	33.28
190	1.3	113.9	100.0000	20.00	1.000	33.52
200	0.0	115.2	100.0000	20.00	1.000	33.71
210	0.0	115.2	100.0000	20.00	1.000	33.71
220	0.0	115.2	100.0000	20.00	1.000	33.71
230	0.0	115.2	100.0000	20.00	1.000	33.71
240	0.0	115.2	100.0000	20.00	1.000	33.71
250	0.1	115.1	100.0000	20.00	1.000	33.69
260	0.5	114.7	100.0000	20.00	1.000	33.64
270	0.9	114.3	100.0000	20.00	1.000	33.57
280	2.1	113.1	100.0000	20.00	1.000	33.39
290	6.2	109.0	100.0000	20.00	1.000	32.72
300	10.5	104.7	100.0000	20.00	1.000	31.99
310	11.4	103.8	100.0000	20.00	1.000	31.84
320	12.9	102.3	100.0000	20.00	1.000	31.58
330	13.7	101.5	100.0000	20.00	1.000	31.44
340	15.9	99.3	100.0000	20.00	1.000	31.04
350	17.4	97.8	100.0000	20.00	1.000	30.78

AMSL= 115.2 M

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**EXHIBIT B3**

**WCTV, Channel 6, Protected Contour**

N. Lat. = 30 40 13  
W. Lng. = 83 56 26

HAAT and Distance to Contour - FCC Method - 30 Arc Sec.						
Azi.	AV EL	HAAT	ERP kW	dBk	Field	47-F5
000	56.0	611.0	97.7000	19.90	1.000	128.52
010	54.4	612.6	97.7000	19.90	1.000	128.63
020	53.7	613.3	97.7000	19.90	1.000	128.66
030	49.5	617.5	97.7000	19.90	1.000	128.93
040	49.5	617.5	97.7000	19.90	1.000	128.93
050	47.1	619.9	97.7000	19.90	1.000	129.08
060	44.2	622.8	97.7000	19.90	1.000	129.26
070	44.5	622.5	97.7000	19.90	1.000	129.24
080	44.4	622.6	97.7000	19.90	1.000	129.24
090	45.1	621.9	97.7000	19.90	1.000	129.20
100	43.3	623.7	97.7000	19.90	1.000	129.31
110	53.7	613.3	97.7000	19.90	1.000	128.67
120	51.6	615.4	97.7000	19.90	1.000	128.80
130	44.9	622.1	97.7000	19.90	1.000	129.21
140	45.4	621.6	97.7000	19.90	1.000	129.18
150	44.5	622.5	97.7000	19.90	1.000	129.23
160	34.6	632.4	97.7000	19.90	1.000	129.83
170	41.2	625.8	97.7000	19.90	1.000	129.43
180	43.5	623.5	97.7000	19.90	1.000	129.30
190	32.8	634.2	97.7000	19.90	1.000	129.93
200	32.0	635.0	97.7000	19.90	1.000	129.99
210	37.6	629.4	97.7000	19.90	1.000	129.65
220	46.1	620.9	97.7000	19.90	1.000	129.14
230	50.0	617.0	97.7000	19.90	1.000	128.90
240	47.4	619.6	97.7000	19.90	1.000	129.06
250	42.6	624.4	97.7000	19.90	1.000	129.35
260	42.4	624.6	97.7000	19.90	1.000	129.37
270	47.0	620.0	97.7000	19.90	1.000	129.08
280	52.4	614.6	97.7000	19.90	1.000	128.75
290	62.6	604.4	97.7000	19.90	1.000	128.10
300	56.0	611.0	97.7000	19.90	1.000	128.52
310	54.9	612.1	97.7000	19.90	1.000	128.59
320	56.1	610.9	97.7000	19.90	1.000	128.52
330	53.8	613.2	97.7000	19.90	1.000	128.66
340	51.7	615.3	97.7000	19.90	1.000	128.79
350	58.4	608.6	97.7000	19.90	1.000	128.37

AMSL= 667 M