

**NEW FM APPLICATION**  
**MARCOS RODRIGUEZ**  
**NEW FM STATION**  
**CH 244A - 96.7 MHZ - 0.09 KW**  
**CARBONDALE, COLORADO**  
**December 2004**

**EXHIBIT A**

**Processing Pursuant to §73.215**

The proposed New FM antenna location is shortspaced to the licensed facilities of KXPK, Channel 243C, Evergreen, Colorado. Rodriguez proposes to use the provisions of §73.215 of the Commission's rules to address this minor shortspaced situation. This shortage complies with §73.215(e) of the Commission's rules. Exhibit A2 specifically demonstrates that there will be no prohibited overlap between the proposed New FM and authorized KXPK. The contours of KXPK are based on 100.0 kilowatts effective radiated power at a height above average terrain (HAAT) of 600 meters.<sup>2</sup> Attached as Exhibits A3 and A4 are the tabulated distances to the protected and interfering contours, along the pertinent arcs, of the proposed new FM and KXPK. 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.

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2) The licensed KXPK facility specifies less than maximum Class C height, therefore, the center of radiation was raised to bring the antenna height above average terrain to 600 meters for the §73.215 review.

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**EXHIBIT A1**

Clearance study for New FM station Carbondale, Colorado  
Using proposed site as reference

REFERENCE		
39 25 08 N	CLASS = A	DISPLAY DATES
107 22 10 W	Current Spacings	DATA 12-08-04
		SEARCH 12-09-04
----- Channel 244 - 96.7 MHz -----		

Call	Channel	Location	Dist	Azi	FCC	Margin
	N. Lat.	W. Lng. Ant	Power	HAAT		
<b>VA244</b>	<b>VAC 244A</b>	<b>Carbondale</b>	<b>CO 1.04</b>	<b>310.8</b>	<b>115.0</b>	<b>-113.96</b>
	39 25 30	107 22 43 N	6.000 kW	100 M		
KXPK	LIC 243C	Evergreen	CO 164.41	79.3	165.0	-0.59
	39 40 35	105 29 09 CN	100.000 kW	530 M		
	Entravision Holdings, LLC		BLH-19940701KC			
KSTRFM	LIC 241C	Montrose	CO 95.33	231.1	95.0	0.33
	38 52 40	108 13 33 CY	100.000 kW	335 M		
	Leggett Broadcasting, Inc.		BLH-19840125AM			
KBCRFM	LIC 245C2	Steamboat Springs	CO 124.05	20.8	106.0	18.05
	40 27 43	106 50 57 H	27.500 kW	203 M		
	Cool Radio, LLC		BMLH-20010118ACB			
RADD	ADD 246C3	Crested Butte	CO 75.54	147.5	42.0	33.54
	38 50 42	106 54 00	25.000 kW	100 M		
	Linda A. Davidson					
KCCY	LIC 245C	Pueblo	CO 229.54	108.3	165.0	64.54
	38 44 43	104 51 41 CY	72.000 kW	695 M		
	Capstar TX Limited Part.		BLH-19940217KC			
KBCOFM	LIC-D 247C	Boulder	CO 186.50	72.2	95.0	91.50
	39 54 48	105 17 32 DEY	100.000 kW	469 M		
	Citicasters Licenses, L.P.		BMLH-19960506KA			
KIMX	LIC-N 244C2	Laramie	WY 263.98	37.5	166.0	97.98
	41 17 07	105 26 41 NCX	6.500 kW	284 M		
	Appaloosa Broadcasting Comp.		BLH-20020905AAQ			
KIMX.C	CP -N 244C2	Laramie	WY 264.21	37.5	166.0	98.21
	41 17 15	105 26 38 NCX	4.800 kW	313 M		
	Appaloosa Broadcasting Comp.		BPH-20040513AAE			

**Graham Brock, Inc. - Broadcast Technical Consultants**

**New FM**

Carbondale, CO  
Latitude: 39-25-08 N  
Longitude: 107-22-10 W  
ERP: 0.09 kW  
Channel: 244A  
AMS Height: 3217.98 m

**KXPK Maximum**

BLH-19940701KC  
Latitude: 39-40-35 N  
Longitude: 105-29-09 W  
ERP: 100.00 kW  
Channel: 243C  
AMS Height: 3351.0 m

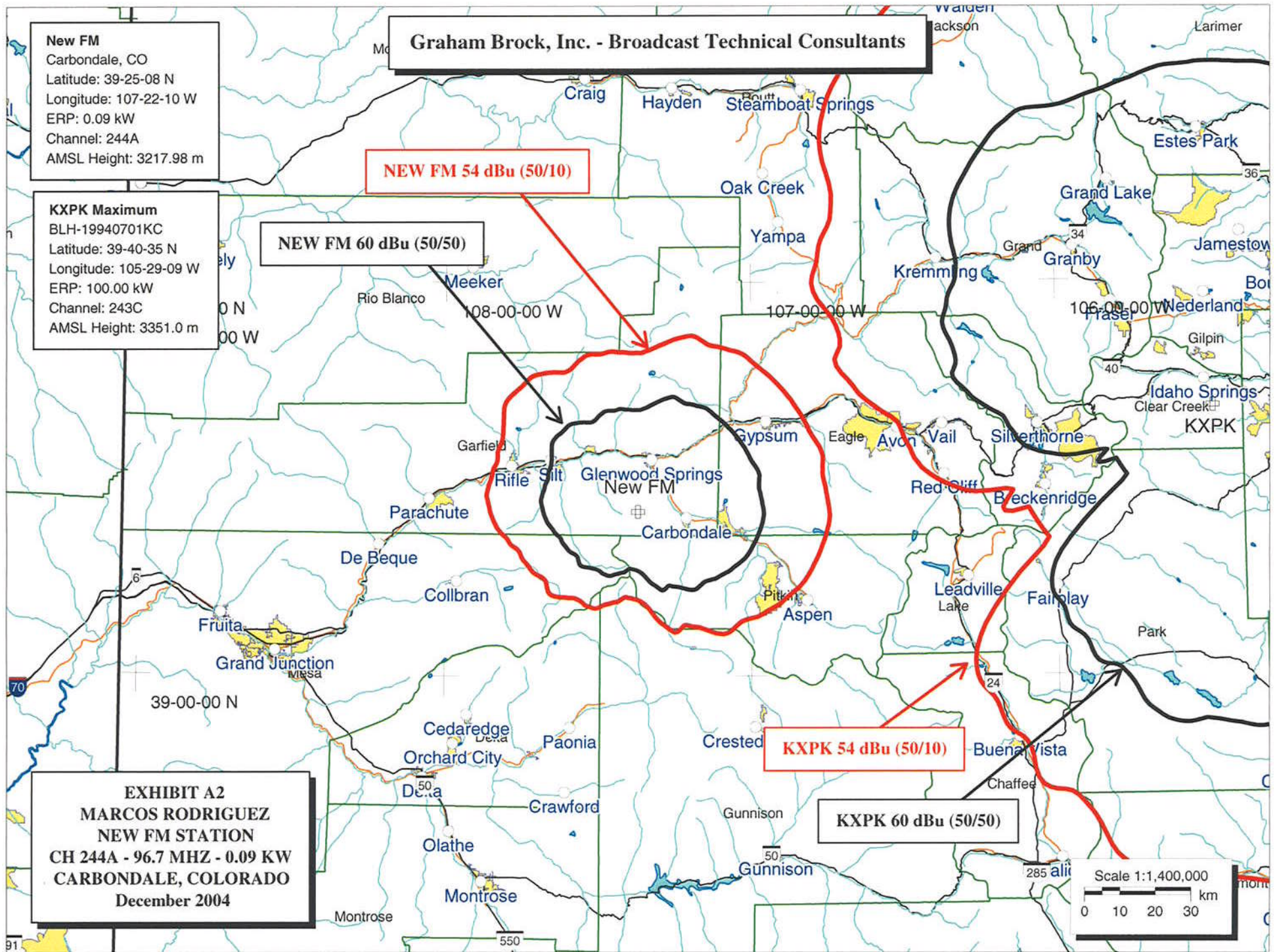
**NEW FM 54 dBu (50/10)**

**NEW FM 60 dBu (50/50)**

**KXPK 54 dBu (50/10)**

**KXPK 60 dBu (50/50)**

**EXHIBIT A2**  
**MARCOS RODRIGUEZ**  
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**EXHIBIT A3**

New FM - Proposed  
Channel = 244A  
Max ERP = 0.09 kW  
RCAMSL = 3217.986 M  
N. Lat = 39 25 08  
W. Lng = 107 22 10

KXPK - BLH-19940701KC  
Channel = 243C  
Max ERP = 100 kW  
RCAMSL = 3351 M  
N. Lat = 39 40 35  
W. Lng = 105 29 09

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)
055.0	000.0900	1123.0	034.9	266.8	100.0000	0149.7	133.3	43.9
056.0	000.0900	1122.6	034.9	266.6	100.0000	0149.7	133.0	43.9
057.0	000.0900	1123.4	035.0	266.3	100.0000	0146.4	132.7	43.9
058.0	000.0900	1125.2	035.0	266.1	100.0000	0146.4	132.4	44.0
059.0	000.0900	1126.9	035.0	265.9	100.0000	0146.4	132.1	44.0
060.0	000.0900	1127.9	035.0	265.7	100.0000	0146.4	131.9	44.1
061.0	000.0900	1127.9	035.0	265.4	100.0000	0143.7	131.6	44.0
062.0	000.0900	1126.8	035.0	265.2	100.0000	0143.7	131.4	44.1
063.0	000.0900	1125.5	035.0	264.9	100.0000	0143.7	131.2	44.1
064.0	000.0900	1124.7	035.0	264.7	100.0000	0143.7	131.0	44.2
065.0	000.0900	1126.0	035.0	264.4	100.0000	0138.9	130.8	44.1
066.0	000.0900	1130.1	035.1	264.2	100.0000	0138.9	130.5	44.1
067.0	000.0900	1137.7	035.2	263.9	100.0000	0138.9	130.2	44.2
068.0	000.0900	1147.3	035.3	263.7	100.0000	0138.9	129.9	44.2
069.0	000.0900	1157.7	035.5	263.4	100.0000	0134.6	129.6	44.2
070.0	000.0900	1166.6	035.6	263.2	100.0000	0134.6	129.4	44.2
071.0	000.0900	1172.8	035.7	262.9	100.0000	0134.6	129.1	44.3
072.0	000.0900	1175.1	035.7	262.6	100.0000	0134.6	129.0	44.3
073.0	000.0900	1172.0	035.7	262.3	100.0000	0132.5	128.9	44.3
074.0	000.0900	1161.4	035.5	262.1	100.0000	0132.5	129.0	44.2
075.0	000.0900	1147.9	035.3	261.8	100.0000	0132.5	129.1	44.2
076.0	000.0900	1134.3	035.1	261.5	100.0000	0132.5	129.3	44.2
077.0	000.0900	1121.6	034.9	261.2	100.0000	0129.5	129.5	44.1
078.0	000.0900	1113.3	034.8	261.0	100.0000	0129.5	129.6	44.1
079.0	000.0900	1109.1	034.7	260.7	100.0000	0129.5	129.6	44.0
080.0	000.0900	1110.3	034.7	260.4	100.0000	0124.5	129.6	43.9
081.0	000.0900	1114.6	034.8	260.1	100.0000	0124.5	129.6	43.9
082.0	000.0900	1118.8	034.9	259.9	100.0000	0124.5	129.5	43.9
083.0	000.0900	1120.8	034.9	259.6	100.0000	0124.5	129.5	43.9
084.0	000.0900	1123.6	035.0	259.3	100.0000	0119.5	129.5	43.8
085.0	000.0900	1129.2	035.0	259.1	100.0000	0119.5	129.5	43.8
086.0	000.0900	1132.5	035.1	258.8	100.0000	0119.5	129.5	43.8
087.0	000.0900	1135.9	035.2	258.5	100.0000	0119.5	129.6	43.8
088.0	000.0900	1142.1	035.2	258.2	100.0000	0112.6	129.6	43.6
089.0	000.0900	1147.8	035.3	258.0	100.0000	0112.6	129.6	43.6
090.0	000.0900	1153.4	035.4	257.7	100.0000	0112.6	129.7	43.6
091.0	000.0900	1158.5	035.5	257.4	100.0000	0105.2	129.7	43.3
092.0	000.0900	1154.7	035.4	257.2	100.0000	0105.2	130.0	43.3
093.0	000.0900	1149.7	035.4	256.9	100.0000	0105.2	130.2	43.2
094.0	000.0900	1144.1	035.3	256.7	100.0000	0105.2	130.5	43.2
095.0	000.0900	1137.9	035.2	256.4	100.0000	0097.6	130.8	42.9

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**EXHIBIT A4**

KXPK - BLH-19940701KC  
Channel = 243C  
Max ERP = 100 kW  
RCAMSL = 3351 M  
N. Lat = 39 40 35  
W. Lng = 105 29 09

New FM - Proposed  
Channel = 244A  
Max ERP = 0.09 kW  
RCAMSL = 3217.986 M  
N. Lat = 39 25 08  
W. Lng = 107 22 10

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)
245.0	100.0000	0041.7	035.8	083.6	000.0900	1123.6	130.3	30.5
246.0	100.0000	0039.0	034.7	083.2	000.0900	1120.8	131.1	30.2
247.0	100.0000	0035.6	033.3	082.7	000.0900	1120.8	132.3	29.9
248.0	100.0000	0032.9	032.2	082.4	000.0900	1118.8	133.2	29.6
249.0	100.0000	0035.9	033.4	082.3	000.0900	1118.8	131.9	30.0
250.0	100.0000	0045.0	037.1	082.4	000.0900	1118.8	128.1	31.0
251.0	100.0000	0055.9	040.9	082.5	000.0900	1118.8	124.3	32.2
252.0	100.0000	0065.8	043.5	082.4	000.0900	1118.8	121.6	33.0
253.0	100.0000	0073.6	045.3	082.2	000.0900	1118.8	119.7	33.5
254.0	100.0000	0081.3	047.0	081.9	000.0900	1118.8	117.9	34.1
255.0	100.0000	0089.6	048.8	081.6	000.0900	1118.8	116.0	34.6
256.0	100.0000	0097.6	050.4	081.3	000.0900	1114.6	114.3	35.1
257.0	100.0000	0105.2	051.8	080.9	000.0900	1114.6	112.8	35.5
258.0	100.0000	0112.6	053.1	080.5	000.0900	1110.3	111.5	35.9
259.0	100.0000	0119.5	054.2	080.0	000.0900	1110.3	110.4	36.2
260.0	100.0000	0124.5	054.9	079.6	000.0900	1110.3	109.6	36.5
261.0	100.0000	0129.5	055.6	079.0	000.0900	1109.1	108.9	36.7
262.0	100.0000	0132.5	056.0	078.5	000.0900	1109.1	108.5	36.8
263.0	100.0000	0134.6	056.3	078.0	000.0900	1113.3	108.3	36.9
264.0	100.0000	0138.9	057.0	077.4	000.0900	1121.6	107.7	37.1
265.0	100.0000	0143.7	057.6	076.9	000.0900	1121.6	107.2	37.3
266.0	100.0000	0146.4	058.0	076.3	000.0900	1134.3	107.0	37.5
267.0	100.0000	0149.7	058.4	075.7	000.0900	1134.3	106.7	37.5
268.0	100.0000	0154.3	059.0	075.1	000.0900	1147.9	106.3	37.8
269.0	100.0000	0167.3	060.6	074.4	000.0900	1161.4	105.0	38.3
270.0	100.0000	0186.8	062.6	073.5	000.0900	1161.4	103.4	38.8
271.0	100.0000	0206.1	064.4	072.6	000.0900	1172.0	102.0	39.3
272.0	100.0000	0225.4	066.2	071.7	000.0900	1175.1	100.6	39.7
273.0	100.0000	0244.8	067.8	070.7	000.0900	1172.8	099.5	40.0
274.0	100.0000	0258.9	069.0	069.8	000.0900	1166.6	098.9	40.2
275.0	100.0000	0276.0	070.4	068.8	000.0900	1157.7	098.1	40.3
276.0	100.0000	0296.4	072.1	067.7	000.0900	1147.3	097.1	40.5
277.0	100.0000	0312.7	073.3	066.7	000.0900	1137.7	096.6	40.6
278.0	100.0000	0319.0	073.8	065.9	000.0900	1130.1	096.9	40.5
279.0	100.0000	0314.8	073.5	065.4	000.0900	1126.0	097.8	40.2
280.0	100.0000	0310.4	073.2	064.9	000.0900	1126.0	098.8	39.9
281.0	100.0000	0312.9	073.3	064.2	000.0900	1124.7	099.4	39.7
282.0	100.0000	0319.1	073.8	063.4	000.0900	1125.5	099.8	39.6
283.0	100.0000	0328.2	074.5	062.6	000.0900	1125.5	100.0	39.5
284.0	100.0000	0339.1	075.3	061.8	000.0900	1126.8	100.3	39.4
285.0	100.0000	0353.9	076.4	060.8	000.0900	1127.9	100.4	39.4

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**EXHIBIT A5**

Predicted contour:

N. Lat. = 39 25 08 - Tabulated Protected and Interfering Contours  
W. Lng. = 107 22 10 - New FM Station - Carbondale, Colorado

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	782.3	0.0900	-10.46	1.000	28.72	87.02	44.76	0.67
010	922.5	0.0900	-10.46	1.000	31.39	92.02	48.60	0.67
020	1043.5	0.0900	-10.46	1.000	33.62	95.88	51.53	0.67
030	1085.1	0.0900	-10.46	1.000	34.33	97.13	52.48	0.67
040	1106.8	0.0900	-10.46	1.000	34.69	97.76	52.96	0.67
050	1119.7	0.0900	-10.46	1.000	34.90	98.13	53.25	0.67
060	1127.9	0.0900	-10.46	1.000	35.03	98.36	53.43	0.67
070	1166.6	0.0900	-10.46	1.000	35.62	99.41	54.26	0.67
080	1110.3	0.0900	-10.46	1.000	34.74	97.86	53.04	0.67
090	1153.4	0.0900	-10.46	1.000	35.42	99.06	53.98	0.67
100	1101.2	0.0900	-10.46	1.000	34.60	97.60	52.84	0.67
110	1034.9	0.0900	-10.46	1.000	33.46	95.62	51.32	0.67
120	918.1	0.0900	-10.46	1.000	31.31	91.88	48.49	0.67
130	804.9	0.0900	-10.46	1.000	29.15	87.90	45.41	0.67
140	711.8	0.0900	-10.46	1.000	27.36	84.02	42.67	0.67
150	592.3	0.0900	-10.46	1.000	24.98	78.11	38.55	0.67
160	515.6	0.0900	-10.46	1.000	23.09	73.47	35.30	0.67
170	409.3	0.0900	-10.46	1.000	20.37	65.20	30.76	0.67
180	277.4	0.0900	-10.46	1.000	16.80	54.22	25.06	0.67
190	275.0	0.0900	-10.46	1.000	16.72	54.01	24.95	0.67
200	349.7	0.0900	-10.46	1.000	18.92	60.52	28.08	0.67
210	399.0	0.0900	-10.46	1.000	20.13	64.42	30.27	0.67
220	428.9	0.0900	-10.46	1.000	20.83	66.73	31.68	0.67
230	469.0	0.0900	-10.46	1.000	21.79	69.94	33.37	0.67
240	487.8	0.0900	-10.46	1.000	22.31	71.40	34.13	0.67
250	512.4	0.0900	-10.46	1.000	23.00	73.24	35.16	0.67
260	586.4	0.0900	-10.46	1.000	24.85	77.79	38.30	0.67
270	674.3	0.0900	-10.46	1.000	26.64	82.28	41.50	0.67
280	711.8	0.0900	-10.46	1.000	27.36	84.02	42.67	0.67
290	692.3	0.0900	-10.46	1.000	26.99	83.13	42.07	0.67
300	749.2	0.0900	-10.46	1.000	28.08	85.65	43.79	0.67
310	910.2	0.0900	-10.46	1.000	31.16	91.63	48.29	0.67
320	910.6	0.0900	-10.46	1.000	31.17	91.64	48.30	0.67
330	804.0	0.0900	-10.46	1.000	29.13	87.87	45.38	0.67
340	827.1	0.0900	-10.46	1.000	29.58	88.74	46.04	0.67
350	820.7	0.0900	-10.46	1.000	29.45	88.50	45.86	0.67

AMSL= 3217.986 M