

**MODIFY BNPFT-20030808ADD**  
**MARCOS RODRIGUEZ**  
**K266AK FM TRANSLATOR STATION**  
**CH 266D - 101.1 MHZ - 0.01 KW**  
**ASPEN, COLORADO**  
**September 2005**

**EXHIBIT A**

This application to modify the outstanding construction permit for FM translator station K266AK proposes to relocate the station to a new site. As noted on Exhibit A1, the operation of K266AK at the newly proposed location is within the protected service contour of stations KTUN, Channel 269C1, Eagle, Colorado; KCUF, Channel 263A, El Jebel, Colorado; and FM translator station K269DS<sup>2</sup>, Channel 268D, Aspen, Colorado.<sup>3</sup> It is noted that the authorized K266AK facility (BNPFT-20030808ADD) is also within the 60 dBu contours of these same stations.

Since the proposed K266AK translator site is located within the 60 dBu contours of three facilities, its 100 dBu (50/10) contour is also encompassed by the 60 dBu (50/50) contours of these stations.<sup>4</sup> As noted on Exhibit A2, the 100 dBu (50/10) contour of the proposed K266AK translator extends 0.22 kilometer (721.8 feet) from the proposed K266AK site. The proposed site is located atop Red Mountain. Red Mountain is located in the White River National Forest, at an establish electronics site. This area, and beyond, has no population. The total area within the 100 dBu contour is only 0.15 square kilometer.

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- 2) K269DS is licensed to operate on Channel 269D at Aspen, Colorado, but has received a permit to move to Channel 268D and is presently operating on the new channel. A license to cover the permit is pending.
  - 3) The other existing facilities noted on Exhibit A1 do not receive interference from the proposed K266AK facility.
  - 4) Based on the distance of the proposed K266AK site to each of these three stations, the actual interfering contour would be something less than the 100 dB level, based on a ratio method of desired to undesired.

As the area within the interfering contour comprises only 0.15 kilometers and is devoid of any population, Rodriguez respectfully requests a waiver of §74.1203 of the rules with respect to stations KTUN, KCUF and K269DS.

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**EXHIBIT A1**

Interference Analysis for K266AK Aspen, Colorado  
Using Proposed Site as Reference

REFERENCE		CH# 266D - 101.1 MHz, Pwr= 0.01 kW, HAAT=249.7M, COR= 3198 M								DISPLAY DATES	
39 13 16 N.		Average Protected F(50-50)= 3.2 km								DATA	09-10-05
106 48 47 W.		Ave. F(50-10) 40 dBu= 10.2 54 dBu= 4.4 100 dBu= .2								SEARCH	09-10-05
CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	COR (M) INT (km)	PRO (km) LICENSEE	*IN* (Overlap	*OUT* in km)	
<b>266D</b>	<b>K266AK</b>	<b>CP DC</b>	<b>286.7</b>	<b>1.83</b>	<b>39 13 33</b>	<b>0.000</b>	<b>2877</b>	<b>0.0</b>	<b>-13.00*</b>	<b>-52.37</b>	
<b>Aspen</b>		<b>CO</b>	<b>106.7</b>	<b>BNPFT-20030808ADD</b>	<b>106 50 00</b>	<b>-133</b>	<b>0.0</b>	<b>Marcos Rodriguez</b>			
+ 269C1	KTUN.C	CP ZCY	1.2	57.44	39 44 18	12.000	3171	81.1	40.56	-23.88*	
Eagle		CO	181.2	BPH-20050425ABI	106 47 58	981	6.9	NRC Broadcasting, Inc.			
+ 269C1	KTUN	LIC ZC	1.2	57.44	39 44 18	12.000	3171	81.1	40.56	-23.88*	
Eagle		CO	181.2	BLH-20041202AGF	106 47 58	981	6.9	NRC Broadcasting, Inc.			
266D	K266AM	CP DE	341.5	51.92	39 39 51	0.000	2480	0.0	39.80	9.51	
Gypsum		CO	161.5	BNPFT-20030814ABN	107 00 22	172	0.0	Educational Communications			
+ 263A	KCUF.C	CP NCX	310.0	16.38	39 18 56	6.000	2682	40.9	-3.32	-24.72*	
El Jebel		CO	130.0	BNPH-20050103ABT	106 57 32	228	3.8	Simon T			
+ 269D	K269DS	LIC HN	0.0	0.00	39 13 16	0.019	3185	7.5	-10.58*	-7.73*	
Aspen		CO	180.0	BLFT-19890224TN	106 48 47	122	0.3	Pitkin County Translator Dept.			
+ 268D	K269DS	CP V	180.0	0.03	39 13 15	0.019	3179	11.7	-7.01*	-11.88*	
Aspen		CO	0.0	BPFT-20050118AJN	106 48 47	290	0.3	Pitkin County Translator Dept.			
266C	KOSI	LIC DC	66.9	147.04	39 43 45	25.740	2262	22.8	41.30	107.22	
Denver		CO	246.9	BLH-20020118AAJ	105 14 06	-152	100.5	Entercom Denver License, LLC			
265C2	RADD	ADD	194.8	69.39	38 37 00	50.000	2857	56.9	-25.69	-3.01	
Gunnison		CO	14.8		107 01 00	194	84.1	Sierra Grande Broadcasting			
266C0	NEW .C	CP CX	297.2	174.10	39 55 21	43.000	2695	75.9	-11.58	41.56	
Dinosaur		CO	117.2	BNPH-20050103AGL	108 37 31	468	170.2	Cumulus Licensing LLC			
265D	K265CS	LIC DH	295.1	53.45	39 25 24	0.000	3247	0.0	38.17	29.01	
Carbondale		CO	115.1	BLFT-20050607ADB	107 22 32	995	0.0	Pitkin County Translator Dept.			
265D	K265DS	CP DC	1.0	57.59	39 44 23	0.009	3199	16.3	20.17	27.36	
Eagle		CO	181.0	BNPFT-20030808ADN	106 48 03	1011	27.5	Educational Communications			
269D	KTUNF1	CP DV	311.3	57.51	39 33 40	0.586	2216	8.9	39.95	48.42	
Glenwood Springs		CO	131.3	BNPFTB-20050209AB	107 19 00	-11	1.6	NRC Broadcasting, Inc.			
267D	K267AB	LIC DHN	186.0	77.89	38 31 24	0.183	2640	13.4	49.37	52.63	
Gunnison		CO	6.0	BLFT-19940929TK	106 54 25	127	20.1	CCR-Montrose IV, LLC			
266L1	DKSBP-	LIC	282.7	88.31	39 23 27	0.100	1687	5.6	54.92	28.56	
Parachute		CO	102.7	BLL-20030707ACS	107 48 48	-609	18.6	KSUN Community Radio			
263D	K210BS	CP C	185.9	77.31	38 31 42	0.044	2631	7.9	68.42	69.18	
Gunnison		CO	5.9	BPFT-20020923AAI	106 54 15	90	0.5	Crested Butte Mountain Educ.			
264D	K264AG	LIC C	55.3	80.15	39 37 42	0.250	2795	7.1	74.33	72.84	
Dillon		CO	235.3	BLFT-20001122AAP	106 02 40	-348	1.1	The Lake Hill Translator Grp.			

+Note : The interference to this facility is addressed in Exhibit A.



# GRAHAM BROCK, INC.

BROADCAST TECHNICAL CONSULTANTS

100 dBu (50/10)

Red Mountain

## Proposed Site :

N Lat. 39° 13' 16"

W Lng. 106° 48' 47"

EXHIBIT #A2  
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Scale: 1 : 24,000 Map Rotation: 0° Magnetic Declination: 11.1°E

600 m



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**EXHIBIT A3**

Predicted contour:

N. Lat. = 39 13 16 - Tabulated Protected and Interfering Contour Data  
W. Lng. = 106 48 47 - K266AK FM Translator Station - Aspen, 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	309.0	0.0100	-20.00	1.000	10.27	34.26	14.41	0.22
010	215.8	0.0100	-20.00	1.000	8.56	28.59	12.07	0.22
020	179.9	0.0100	-20.00	1.000	7.79	26.26	11.08	0.22
030	168.2	0.0100	-20.00	1.000	7.52	25.40	10.71	0.22
040	41.4	0.0100	-20.00	1.000	3.71	11.79	5.25	0.22
050	44.6	0.0100	-20.00	1.000	3.86	12.24	5.46	0.22
060	140.3	0.0100	-20.00	1.000	6.87	23.04	9.71	0.22
070	37.1	0.0100	-20.00	1.000	3.49	11.18	4.95	0.22
080	-67.3	0.0100	-20.00	1.000	3.15	10.16	4.43	0.22
090	-119.2	0.0100	-20.00	1.000	3.15	10.16	4.43	0.22
100	35.1	0.0100	-20.00	1.000	3.40	10.89	4.80	0.22
110	60.4	0.0100	-20.00	1.000	4.53	14.20	6.34	0.22
120	-158.0	0.0100	-20.00	1.000	3.15	10.16	4.43	0.22
130	-153.9	0.0100	-20.00	1.000	3.15	10.16	4.43	0.22
140	-62.9	0.0100	-20.00	1.000	3.15	10.16	4.43	0.22
150	184.5	0.0100	-20.00	1.000	7.89	26.56	11.21	0.22
160	394.2	0.0100	-20.00	1.000	11.49	39.40	16.72	0.22
170	222.5	0.0100	-20.00	1.000	8.70	29.02	12.25	0.22
180	134.6	0.0100	-20.00	1.000	6.73	22.54	9.50	0.22
190	207.3	0.0100	-20.00	1.000	8.38	28.05	11.84	0.22
200	406.7	0.0100	-20.00	1.000	11.64	40.13	17.10	0.22
210	135.3	0.0100	-20.00	1.000	6.75	22.59	9.52	0.22
220	441.4	0.0100	-20.00	1.000	12.06	42.09	18.06	0.22
230	208.4	0.0100	-20.00	1.000	8.41	28.12	11.87	0.22
240	125.5	0.0100	-20.00	1.000	6.52	21.73	9.17	0.22
250	324.5	0.0100	-20.00	1.000	10.51	35.20	14.77	0.22
260	584.6	0.0100	-20.00	1.000	13.51	49.76	21.08	0.22
270	660.4	0.0100	-20.00	1.000	14.39	52.65	22.74	0.22
280	713.1	0.0100	-20.00	1.000	14.92	54.52	23.74	0.22
290	710.0	0.0100	-20.00	1.000	14.89	54.41	23.68	0.22
300	791.8	0.0100	-20.00	1.000	15.57	57.18	25.01	0.22
310	834.8	0.0100	-20.00	1.000	15.87	58.57	25.64	0.22
320	775.8	0.0100	-20.00	1.000	15.45	56.65	24.77	0.22
330	624.5	0.0100	-20.00	1.000	13.99	51.32	21.99	0.22
340	452.4	0.0100	-20.00	1.000	12.17	42.68	18.33	0.22
350	390.8	0.0100	-20.00	1.000	11.45	39.20	16.63	0.22

AMSL= 3197.7 M