

MODIFY BPH-19971023MD
IDAHO BROADCASTING CONSORTIUM, INC.
KSXZ (FM) RADIO STATION
CH 294C - 106.7 MHZ - 87.0 KW
PINESDALE, MONTANA
January 2002

EXHIBIT A

The KSXZ proposed antenna location will be shortspaced to one other FM station, KMOK, Channel 295C, Lewiston, Idaho. The detailed spacing information with regard to KMOK is shown on Exhibit A1. Idaho Broadcasting Consortium, Inc., proposes to use the provisions of §73.215 of the Commission's rules, while employing a non-directional antenna system, to address this shortspaced situation. The shortage to this allocation complies with §73.215(e) of the Commission's rules.

Exhibit A2 specifically demonstrates that there will be no prohibited overlap between the proposed KSXZ and KMOK. The contours of KMOK are based on 100.0 kilowatts effective radiated power at a height above average terrain (HAAT) of 600 meters.⁴ Attached as Exhibits A3 and A4 are the tabulated distances to the protected and interfering contours, along the pertinent arcs, of the proposed KSXZ and KMOK. 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.

4) KMOK is authorized to operate at 99.0 kilowatts at 375 meters. The antenna center of radiation was raised to bring the HAAT to 600 meters and the power raised to 100.0 kW for the §73.215 analysis.

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EXHIBIT A1

CLEARANCE STUDY FOR KSXZ PINESDALE, MONTANA
USING PROPOSED SITE AS REFERENCE

REFERENCE					DISPLAY DATES		
46 48 09 N	CLASS C				DATA 12-28-01		
113 58 21 W	Current rules spacings				SEARCH 01-03-02		
----- CHANNEL 294 -106.7 MHz -----							
CALL	CH#	CITY	STATE	BEAR'	D-KM	R-KM	MARGIN
TYPE	LAT	LNG	PWR	HT	D-Mi	R-Mi	(KM)

ALOPEN	294C1	Pinesdale	MT	198.9	74.44	270.0	-195.56
AL	46 10 07	114 17 06	0.000 kW	0M	46.3	167.8	
> Reserved for KSXZ per MM Docket #01-93							
+	<i>KMSMFM</i>	<i>295A Butte</i>	<i>MT</i>	<i>128.5</i>	<i>139.86</i>	<i>165.0</i>	<i>-25.14</i>
	<i>LIC HN</i>	<i>46 00 44</i>	<i>112 33 26</i>	<i>0.740 kW</i>	<i>-62M</i>	<i>86.9</i>	<i>102.5</i>
	<i>Associated Students Of Montana</i>				<i>BLED-19950202KC</i>		
	<i>> To Channel 296A per contingent one-step application</i>						
*	<i>KMOK</i>	<i>295C Lewiston</i>	<i>ID</i>	<i>261.9</i>	<i>237.86</i>	<i>241.0</i>	<i>-3.14</i>
	<i>LIC CN</i>	<i>46 27 33</i>	<i>117 02 18</i>	<i>99.000 kW</i>	<i>375M</i>	<i>147.8</i>	<i>149.8</i>
	<i>Ida-vend Company, Inc.</i>				<i>BLH-19830321AW</i>		
	<i>KSXZ</i>	<i>294C2 McCall</i>	<i>ID</i>	<i>220.8</i>	<i>260.31</i>	<i>249.0</i>	<i>11.31</i>
	<i>CP ZCN</i>	<i>45 00 37</i>	<i>116 07 55</i>	<i>1.300 kW</i>	<i>577M</i>	<i>161.8</i>	<i>154.8</i>
	<i>Idaho Broadcasting Consortium</i>				<i>BPH-19971023MD</i>		
	<i>RADD</i>	<i>293A Montana City</i>	<i>MT</i>	<i>117.0</i>	<i>178.63</i>	<i>165.0</i>	<i>13.63</i>
	<i>ADD</i>	<i>46 03 22</i>	<i>111 54 52</i>	<i>0.000 kW</i>	<i>0M</i>	<i>111.0</i>	<i>102.6</i>
	<i>ALLO</i>	<i>294A Kootenai</i>	<i>ID</i>	<i>312.3</i>	<i>254.26</i>	<i>226.0</i>	<i>28.26</i>
	<i>VAC</i>	<i>48 18 37</i>	<i>116 30 45</i>	<i>0.000 kW</i>	<i>0M</i>	<i>158.0</i>	<i>140.5</i>
					<i>RM-9773</i>		
	<i>ALLO</i>	<i>294A Kootenai</i>	<i>ID</i>	<i>312.3</i>	<i>254.26</i>	<i>226.0</i>	<i>28.26</i>
	<i>ADD</i>	<i>48 18 37</i>	<i>116 30 45</i>	<i>0.000 kW</i>	<i>0M</i>	<i>158.0</i>	<i>140.5</i>
					<i>RM-9641</i>		
+	<i>KMSMFM</i>	<i>296A Butte</i>	<i>MT</i>	<i>128.5</i>	<i>139.86</i>	<i>95.0</i>	<i>44.86</i>
	<i>APP HN</i>	<i>46 00 44</i>	<i>112 33 26</i>	<i>0.740 kW</i>	<i>-62M</i>	<i>86.9</i>	<i>59.0</i>
	<i>Associated Students of Montana Tech</i>						

+	<i>Note: KMSM-FM is moving to Channel 296A in a contingent application.</i>						
*	<i>Note: The shortage to KMOK is addressed under \$73.215. See Exhibit A.</i>						

Graham Brock, Inc. - Broadcast Technical Consultants

KSXZ 54 dBu

KSXZ 60 dBu

KMOK 54 dBu

KMOK 60 dBu

KSXZ Proposed

Latitude: 46-48-09 N
Longitude: 113-58-21 W
Power: 87.00 kW
Channel: 294C
AMSL Height: 1912.0 m

KMOK Licensed (Max)

BLH-19830321AW
Latitude: 46-27-33 N
Longitude: 117-02-18 W
Power: 100.00 kW
Channel: 295C
AMSL Height: 1187.0 m

§73.215 ANALYSIS

EXHIBIT A2

**MODIFY BPH-19971012MD
IDAHO BROADCASTING
CONSORTIUM, INC.
KSXZ RADIO STATION
CH 294C - 106.7 MHZ - 87.0 KW
PINESDALE, MONTANA
January 2002**

Scale 1:2,000,000

0 20 40 60 km

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January 2002

EXHIBIT A3

KSXZ - Proposed
Channel = 294C
Max ERP = 87 kW
RCAMSL = 1911.7 M
N. Lat = 464809
W. Lng = 1135821

KMOK - BLH-19830321AW
Channel = 295C
Max ERP = 100 kW
RCAMSL = 1187 M
N. Lat = 46 27 33
W. Lng = 117 02 18

Protected
60 dBu

Interfering
54 dBu

3 Second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
232.0	087.0000	0729.7	095.3	096.5	100.0000	0805.8	161.8	50.0
233.0	087.0000	0757.2	096.3	096.4	100.0000	0806.4	160.2	50.4
234.0	087.0000	0782.7	097.3	096.2	100.0000	0806.4	158.3	50.9
235.0	087.0000	0785.2	097.4	095.7	100.0000	0806.4	157.1	51.2
236.0	087.0000	0776.5	097.0	095.2	100.0000	0797.3	156.2	51.3
237.0	087.0000	0777.2	097.1	094.7	100.0000	0797.3	155.1	51.6
238.0	087.0000	0787.0	097.4	094.3	100.0000	0779.6	153.7	51.7
239.0	087.0000	0800.9	098.0	093.9	100.0000	0779.6	152.3	52.1
240.0	087.0000	0814.6	098.5	093.5	100.0000	0779.6	150.9	52.5
241.0	087.0000	0828.3	099.0	093.1	100.0000	0752.9	149.5	52.5
242.0	087.0000	0836.7	099.3	092.6	100.0000	0752.9	148.3	52.8
243.0	087.0000	0840.8	099.4	092.0	100.0000	0728.2	147.3	52.8
244.0	087.0000	0841.7	099.4	091.4	100.0000	0708.8	146.4	52.8
245.0	087.0000	0842.6	099.5	090.8	100.0000	0708.8	145.5	53.0
246.0	087.0000	0832.9	099.1	090.2	100.0000	0686.8	145.0	52.9
247.0	087.0000	0811.0	098.3	090.6	100.0000	0708.8	145.0	53.2
248.0	087.0000	0787.0	097.4	088.7	100.0000	0664.6	145.2	52.6
249.0	087.0000	0770.5	096.8	087.9	100.0000	0639.9	145.1	52.3
250.0	087.0000	0758.8	096.4	087.3	100.0000	0617.5	145.0	52.1
251.0	087.0000	0747.2	096.0	086.6	100.0000	0617.5	144.8	52.1
252.0	087.0000	0732.8	095.4	085.9	100.0000	0595.3	144.9	51.8
253.0	087.0000	0720.0	094.9	085.2	100.0000	0576.9	144.9	51.5
254.0	087.0000	0712.4	094.6	084.5	100.0000	0576.9	144.8	51.6
255.0	087.0000	0709.8	094.5	083.9	100.0000	0567.4	144.6	51.5
256.0	087.0000	0705.2	094.4	083.2	100.0000	0564.0	144.5	51.4
257.0	087.0000	0706.1	094.4	082.6	100.0000	0564.0	144.2	51.5
258.0	087.0000	0708.4	094.5	081.9	100.0000	0561.8	144.0	51.6
259.0	087.0000	0715.3	094.7	081.3	100.0000	0563.7	143.6	51.7
260.0	087.0000	0713.6	094.7	080.6	100.0000	0563.7	143.5	51.7
261.0	087.0000	0707.0	094.4	079.9	100.0000	0572.0	143.7	51.8
262.0	087.0000	0703.0	094.3	079.3	100.0000	0571.5	143.9	51.7
263.0	087.0000	0700.8	094.2	078.6	100.0000	0571.5	144.0	51.7
264.0	087.0000	0700.4	094.2	078.0	100.0000	0560.5	144.1	51.5
265.0	087.0000	0692.5	093.9	077.3	100.0000	0553.8	144.6	51.3
266.0	087.0000	0674.3	093.2	076.7	100.0000	0553.8	145.4	51.0
267.0	087.0000	0663.2	092.8	076.1	100.0000	0539.0	146.1	50.6
268.0	087.0000	0658.4	092.6	075.5	100.0000	0523.4	146.6	50.2
269.0	087.0000	0655.7	092.5	074.9	100.0000	0523.4	147.0	50.0
270.0	087.0000	0665.2	092.8	074.2	100.0000	0512.9	147.0	49.8
271.0	087.0000	0675.6	093.2	073.6	100.0000	0512.9	147.0	49.8
272.0	087.0000	0668.6	093.0	073.0	100.0000	0499.6	147.7	49.4

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January 2002

EXHIBIT A4

KMOK - BLH-19830321AW
Channel = 295C
Max ERP = 100 kW
RCAMSL = 1187 M
N. Lat = 46 27 33
W. Lng = 117 02 18

KSXZ - Proposed
Channel = 294C
Max ERP = 87 kW
RCAMSL = 1911.7 M
N. Lat = 464809
W. Lng = 1135821

Protected
60 dBu

Interfering
54 dBu

3 Second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
070.0	100.0000	0464.7	084.5	267.3	087.0000	0663.2	155.1	49.5
071.0	100.0000	0476.0	085.2	266.8	087.0000	0663.2	154.0	49.8
072.0	100.0000	0486.0	085.9	266.4	087.0000	0674.3	153.0	50.1
073.0	100.0000	0499.6	086.7	265.9	087.0000	0674.3	151.9	50.4
074.0	100.0000	0512.9	087.5	265.4	087.0000	0692.5	150.9	50.9
075.0	100.0000	0523.4	088.1	264.8	087.0000	0692.5	150.0	51.1
076.0	100.0000	0539.0	089.0	264.3	087.0000	0700.4	148.9	51.5
077.0	100.0000	0553.8	089.8	263.7	087.0000	0700.4	147.9	51.7
078.0	100.0000	0560.5	090.2	263.1	087.0000	0700.8	147.5	51.8
079.0	100.0000	0571.5	090.7	262.5	087.0000	0700.8	146.9	52.0
080.0	100.0000	0572.0	090.7	261.9	087.0000	0703.0	146.9	52.0
081.0	100.0000	0563.7	090.3	261.3	087.0000	0707.0	147.3	52.0
082.0	100.0000	0561.8	090.2	260.7	087.0000	0707.0	147.4	51.9
083.0	100.0000	0564.0	090.3	260.0	087.0000	0713.6	147.4	52.0
084.0	100.0000	0567.4	090.5	259.4	087.0000	0715.3	147.4	52.0
085.0	100.0000	0576.9	090.9	258.8	087.0000	0715.3	147.2	52.1
086.0	100.0000	0595.3	091.6	258.1	087.0000	0708.4	146.7	52.1
087.0	100.0000	0617.5	092.5	257.5	087.0000	0706.1	146.2	52.2
088.0	100.0000	0639.9	093.3	256.8	087.0000	0706.1	145.7	52.4
089.0	100.0000	0664.6	094.3	256.0	087.0000	0705.2	145.1	52.5
090.0	100.0000	0686.8	095.1	255.3	087.0000	0709.8	144.7	52.7
091.0	100.0000	0708.8	096.0	254.6	087.0000	0709.8	144.4	52.7
092.0	100.0000	0728.2	096.8	253.9	087.0000	0712.4	144.2	52.8
093.0	100.0000	0752.9	097.7	253.1	087.0000	0720.0	143.9	53.0
094.0	100.0000	0779.6	098.8	252.3	087.0000	0732.8	143.6	53.2
095.0	100.0000	0797.3	099.5	251.6	087.0000	0732.8	143.7	53.2
096.0	100.0000	0806.4	099.8	250.9	087.0000	0747.2	144.1	53.3
097.0	100.0000	0805.8	099.8	250.3	087.0000	0758.8	145.0	53.2
098.0	100.0000	0784.4	099.0	249.8	087.0000	0758.8	146.5	52.8
099.0	100.0000	0761.7	098.1	249.4	087.0000	0770.5	148.2	52.5
100.0	100.0000	0756.3	097.9	248.9	087.0000	0770.5	149.3	52.2
101.0	100.0000	0755.9	097.9	248.4	087.0000	0787.0	150.2	52.1
102.0	100.0000	0754.2	097.8	247.8	087.0000	0787.0	151.3	51.8
103.0	100.0000	0756.3	097.9	247.3	087.0000	0811.0	152.2	51.9
104.0	100.0000	0759.6	098.0	246.8	087.0000	0811.0	153.2	51.6
105.0	100.0000	0762.6	098.1	246.3	087.0000	0832.9	154.2	51.6
106.0	100.0000	0767.5	098.3	245.7	087.0000	0832.9	155.2	51.3
107.0	100.0000	0773.6	098.6	245.2	087.0000	0842.6	156.2	51.2
108.0	100.0000	0780.5	098.8	244.7	087.0000	0842.6	157.2	50.9
109.0	100.0000	0787.6	099.1	244.2	087.0000	0841.7	158.2	50.7
110.0	100.0000	0794.8	099.4	243.7	087.0000	0841.7	159.3	50.4

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EXHIBIT A5

Predicted contours:

N. Lat. = 46 48 09 - Tabulated Protected and Interfering Contours
W. Lng. = 113 58 21 - KSXZ Radio Station - Pinesdale, Montana

HAAT and Distance to Contour - FCC Method - 03 Arc Second terrain									
Azi.	AV EL	HAAT	kW	dBk	Field	60 .5	40 .1	54 .1	100 .1
000	1147.9	763.8	87.0000	19.40	1.000	96.58	204.88	142.06	15.14
010	1282.3	629.4	87.0000	19.40	1.000	91.50	196.55	135.70	13.42
020	1223.0	688.7	87.0000	19.40	1.000	93.73	200.30	138.60	13.99
030	1424.0	487.7	87.0000	19.40	1.000	84.61	186.51	125.80	12.00
040	1264.7	647.0	87.0000	19.40	1.000	92.16	197.69	136.56	13.60
050	1142.0	769.7	87.0000	19.40	1.000	96.80	205.25	142.32	15.20
060	1390.3	521.4	87.0000	19.40	1.000	86.61	188.98	129.20	12.25
070	1382.9	528.8	87.0000	19.40	1.000	87.04	189.50	129.87	12.32
080	1362.8	548.9	87.0000	19.40	1.000	88.16	190.93	131.44	12.52
090	1449.3	462.4	87.0000	19.40	1.000	82.95	184.55	122.99	11.81
100	1596.3	315.4	87.0000	19.40	1.000	72.13	170.25	104.66	9.99
110	1649.1	262.6	87.0000	19.40	1.000	67.92	164.96	99.41	9.13
120	1729.7	182.0	87.0000	19.40	1.000	60.80	156.05	90.31	7.55
130	1654.9	256.8	87.0000	19.40	1.000	67.44	164.44	98.83	9.03
140	1586.6	325.1	87.0000	19.40	1.000	72.84	171.51	105.78	10.14
150	1411.5	500.2	87.0000	19.40	1.000	85.37	187.45	127.13	12.09
160	1459.4	452.3	87.0000	19.40	1.000	82.21	183.76	121.85	11.72
170	1542.1	369.6	87.0000	19.40	1.000	76.09	177.01	112.32	10.79
180	1429.5	482.2	87.0000	19.40	1.000	84.27	186.09	125.20	11.96
190	1339.8	571.9	87.0000	19.40	1.000	89.27	192.58	132.85	12.79
200	1209.3	702.4	87.0000	19.40	1.000	94.25	201.13	139.25	14.12
210	1132.7	779.0	87.0000	19.40	1.000	97.14	205.83	142.71	15.29
220	1142.3	769.4	87.0000	19.40	1.000	96.79	205.23	142.30	15.19
230	1199.4	712.3	87.0000	19.40	1.000	94.63	201.73	139.72	14.20
240	1096.9	814.8	87.0000	19.40	1.000	98.47	208.17	144.19	15.62
250	1153.2	758.5	87.0000	19.40	1.000	96.38	204.55	141.83	15.08
260	1198.2	713.5	87.0000	19.40	1.000	94.67	201.80	139.78	14.21
270	1246.1	665.6	87.0000	19.40	1.000	92.86	198.87	137.47	13.78
280	1207.4	704.3	87.0000	19.40	1.000	94.33	201.24	139.34	14.13
290	1097.2	814.5	87.0000	19.40	1.000	98.46	208.15	144.17	15.62
300	1035.3	876.4	87.0000	19.40	1.000	100.62	212.49	146.49	16.12
310	995.2	916.5	87.0000	19.40	1.000	101.85	215.28	147.87	16.39
320	991.4	920.3	87.0000	19.40	1.000	101.95	215.53	148.00	16.42
330	1004.8	906.9	87.0000	19.40	1.000	101.57	214.63	147.55	16.33
340	1029.5	882.2	87.0000	19.40	1.000	100.81	212.90	146.70	16.16
350	1091.3	820.4	87.0000	19.40	1.000	98.67	208.55	144.41	15.67

AMSL= 1911.7 M