

December 2004
New FM – Channel 242C3 – Big Sky, MT
Allocation Study

The instant application proposes a one-step upgrade of the Big Sky Channel 242A allotment to Channel 242C3.

The attached spacing study shows that the proposed Channel 242C3 upgrade allotment site meets the co-channel and adjacent channel spacing requirements for Class C3 stations as prescribed in §73.207 of the Commission's Rules. The attached map exhibit demonstrates that the entirety of the Big Sky CDP is encompassed within a 23.2 kilometer radius from the proposed allotment site.

The attached spacing study shows that the proposed Channel 242C3 transmitter site meets the co-channel and adjacent channel spacing requirements for Class C3 stations as prescribed in §73.207 of the Commission's Rules, with the exception of a short-spacing to a pending application for use of Channel 240C3 at Bozeman, Montana. Processing pursuant to Section 73.215 of the Commission's Rules is requested with respect to the Bozeman 240C3 application, and the attached allocation study map is included to demonstrate the lack of prohibited contour overlap with that facility, presuming Bozeman 240C3 operation with maximum Class C3 facilities of 25 kW ERP at 100 meters HAAT.

Hatfield & Dawson Consulting Engineers

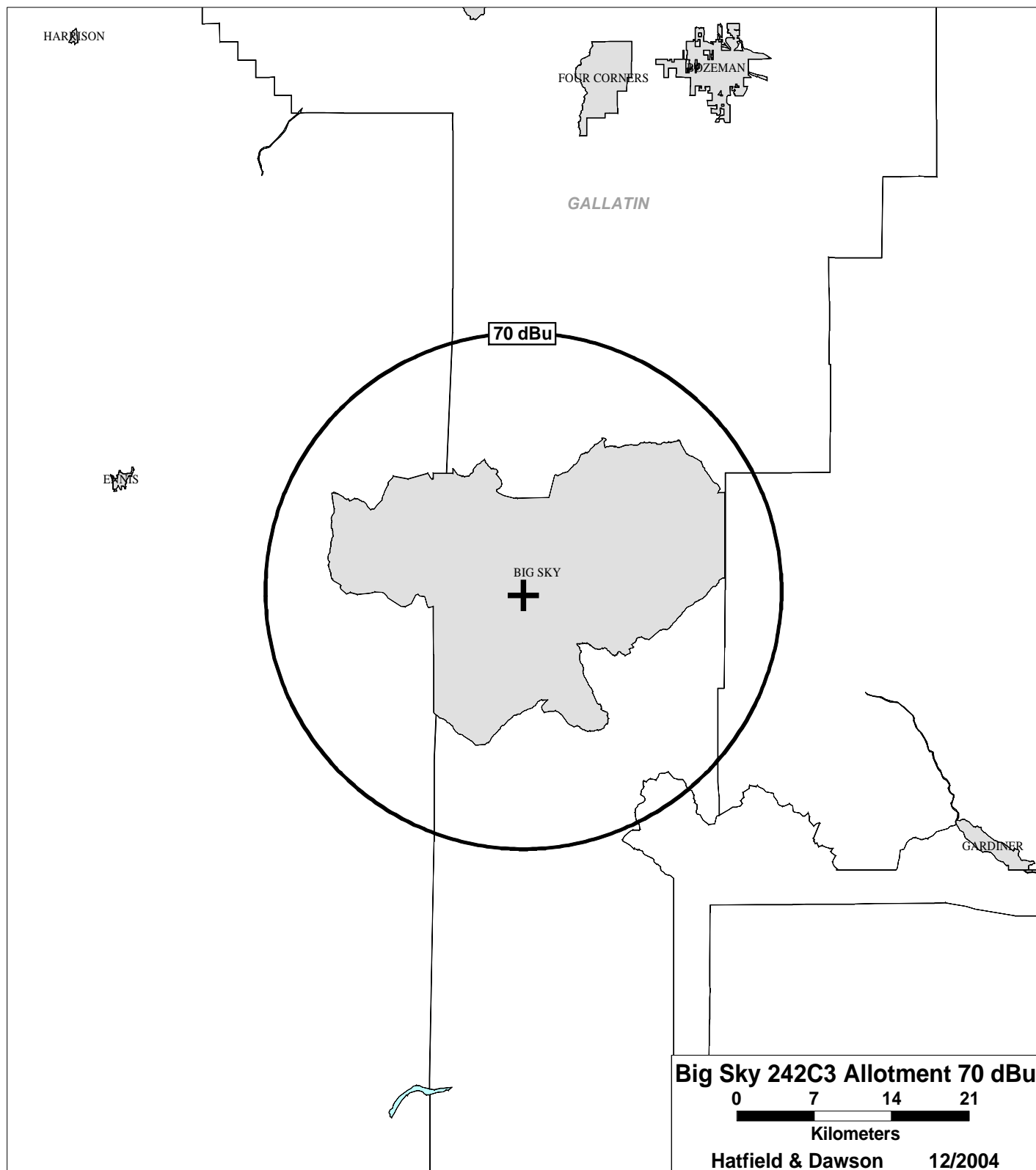
SEARCH PARAMETERS

FM Database Date: 041217

Channel: 242C3 96.3 MHz
 Latitude: 45 15 19
 Longitude: 111 16 9
 Safety Zone: 32 km
 Job Title: BIG SKY 242C3 ALLOTMENT SITE

Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
K240CI LIC	BIG SKY MT	BLFT-921117TC	240D 95.9	0.010 641.0	45-16-25 111-23-36	281.9	9.96 0.00	0 TRANS
990918MC APP	BOZEMAN MT	BPED-990918MC	240C3 95.9	7.500 219.0	45-38-18 111-16-05	0.1	42.57 -0.43	43 SHORT
990918MC APP	BOZEMAN MT	BPED-990918MC	240C3 95.9	7.500 219.0	45-38-18 111-16-05	0.1	42.57 -0.43	43 SHORT
VAC	BOZEMAN MT	-	240C3 95.9	0.000 0.0	45-40-48 111-02-18	20.8	50.54 7.54	43 CLOSE
K240CO LIC	LIVINGSTON MT	BLFT-961104TC	240D 95.9	0.027 677.0	45-41-51 110-46-04	38.3	62.87 0.00	0 TRANS
VAC	BIG SKY MT	RM-9739	242A 96.3	0.000 0.0	45-16-02 111-22-14	279.5	8.07 -133.93	142 SHORT
KRZN LIC	BILLINGS MT	BLH-981117KA	242C1 96.3	100.000 212.0	45-45-37 108-27-09	74.6	227.16 16.16	211 CLEAR
K242BB CP	HELENA MT	BNPFT-030826AGH	242D 96.3	0.250 33.0	46-37-12 111-55-34	341.7	160.02 0.00	0 TRANS
KISN LIC	BELGRADE MT	BLH-960826KF	244C2 96.7	8.600 228.0	45-40-24 110-52-02	33.8 SS	56.10 0.10	56 CLOSE
K295BE CP	BIG SKY MT	BNPFT-030829AVJ	295D 106.9	0.010 1343.0	45-16-41 111-26-57	280.3	14.35 0.00	0 TRANS

44444 END OF FM SPACING STUDY FOR CHANNEL 242 44444



SEARCH PARAMETERS

FM Database Date: 041217

Channel: 242C3 96.3 MHz
 Latitude: 45 16 41
 Longitude: 111 26 57
 Safety Zone: 32 km
 Job Title: BIG SKY 242C3 TRANSMITTER SITE AT LONE MTN

Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
K240CI LIC	BIG SKY MT	BLFT-921117TC	240D 95.9	0.010 641.0	45-16-25 111-23-36	96.4	4.41 0.00	0 TRANS
990918MC APP	BOZEMAN MT	BPED-990918MC	240C3 95.9	7.500 219.0	45-38-18 111-16-05	19.4	42.47 -0.53	43 SHORT
ABSOLUTE MINIMUM 73.215 SPACING = 37 KM								
990918MC APP	BOZEMAN MT	BPED-990918MC	240C3 95.9	7.500 219.0	45-38-18 111-16-05	19.4	42.47 -0.53	43 SHORT
ABSOLUTE MINIMUM 73.215 SPACING = 37 KM								
VAC	BOZEMAN MT	-	240C3 95.9	0.000 0.0	45-40-48 111-02-18	35.5	55.02 12.02	43 CLEAR
K240CO LIC	LIVINGSTON MT	BLFT-961104TC	240D 95.9	0.027 677.0	45-41-51 110-46-04	48.5	70.79 0.00	0 TRANS
VAC	BIG SKY MT	RM-9739	242A 96.3	0.000 0.0	45-16-02 111-22-14	101.1	6.29 -135.71	142 SHORT
KRZN LIC	BILLINGS MT	BLH-981117KA	242C1 96.3	100.000 212.0	45-45-37 108-27-09	76.0	240.20 29.20	211 CLEAR
KBAZ LIC	HAMILTON MT	BLH-000407ABZ	242C 96.3	85.000 630.0	46-48-08 113-58-21	311.9	258.56 21.56	237 CLEAR
K242BB CP	HELENA MT	BNPFT-030826AGH	242D 96.3	0.250 33.0	46-37-12 111-55-34	346.3	153.67 0.00	0 TRANS
KISN LIC	BELGRADE MT	BLH-960826KF	244C2 96.7	8.600 228.0	45-40-24 110-52-02	45.7 SS	63.25 7.25	56 CLOSE
K295BE CP	BIG SKY MT	BNPFT-030829AVJ	295D 106.9	0.010 1343.0	45-16-41 111-26-57	0.0	0.00 0.00	0 TRANS

44444 END OF FM SPACING STUDY FOR CHANNEL 242 44444

