

**October 2007
New FM Channel 204C3
Manson, Washington
Allocation Study**

The attached spacing study shows the co-channel and adjacent channel spacing between stations and demonstrates that the proposed operation meets the IF channel spacing requirements as prescribed in §73.207 of the Commission's Rules.

The attached allocation study exhibits demonstrate requisite contour protection for the following domestic stations:

First-adjacent:	KPLU-FM	203C	Tacoma (License)
	KPLU-FM	203C	Tacoma (CP)
	KCSH	205A	Ellensburg
Third-adjacent:	KFIO	201A	East Wenatchee

TV Channel 6

Section 73.525 of the Commission's Rules specifies a threshold distance of 235 kilometers for FM stations operating on Channel 204. The only TV Channel 6 station located within this threshold distance is KHQ-TV Spokane. As depicted on the attached study map, there is no overlap of the proposed 62.3 dBu F(50,10) contour to the KHQ-TV Grade B contour. Therefore, the proposed facility satisfies interference protection requirements to KHQ-TV.

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SEARCH PARAMETERS FM Database Date: 071011

Channel: 204C3 88.7 MHz
 Latitude: 47 51 15
 Longitude: 120 9 59
 Safety Zone: 75 km
 Job Title: MANSON 204C3

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Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
KFIO	EAST WENATCHEE	201A	0.600	47-22-52	189.9	53.38	42	
CP	WA BPED-970327MC	88.1	-40.0	120-17-16		11.38	CLEAR	
KCWU	ELLENSBURG	201A	0.500	47-00-21	195.7	97.92	42	
LIC	WA BLED-990510KE	88.1	-59.0	120-30-55		55.92	CLEAR	
KMLW	MOSES LAKE	202C3	4.000	46-56-31	151.0	115.73	43	
LIC	WA BLED-970512KC	88.3	207.0	119-25-41		72.73	CLEAR	
	CHILLIWACK	203A	0.000	49-06-36	319.1	186.89	119	
	BC RM-	88.5	0.0	121-50-47		67.89	CLEAR	
	CHILLIWACK	203A	0.000	49-06-36	319.1	186.89	119	
	BC -	88.5	0.0	121-50-47		67.89	CLEAR	
K203EN	ELLENSBURG	203D	0.092	47-03-36	205.5	97.72	0	
LIC	WA BLFT-070403ABN	88.5	161.0	120-43-18		0.00	TRANS	
KPLU-FM	TACOMA	203C	58.000	47-30-14	254.6	141.26	176	
LIC	WA BLED-890925KA	88.5	714.0	121-58-29		-34.74	SHORT	
KPLUaux	TACOMA	203C	50.000	47-32-35	257.3	149.71	0	
LIC	WA BXLED-010126AAO	88.5	388.0	122-06-25		0.00	AUX	
KPLUaux	TACOMA	203C	30.000	47-28-50	257.7	182.52	0	
LIC	WA BMLED-900402KD	88.5	189.0	122-31-58		0.00	AUX	
KPLU-FM	TACOMA	203C	68.000	47-30-14	254.6	141.26	176	
CP	WA BPED-060109ABR	88.5	707.0	121-58-29		-34.74	SHORT	
KYVT	YAKIMA	203A	3.000	46-35-06	191.1	143.73	89	
LIC	WA BLED-800908AE	88.5	-78.0	120-31-41		54.73	CLEAR	
NEW	ABBOTSFORD	204D	0.004	49-04-16	311.3	208.72	0	
	BC -	88.7	13.0	122-18-54		0.00	CLS=D	
	NEW WESTMINSTER	204D	0.000	49-12-43	307.6	253.62	0	
	BC -	88.7	0.0	122-55-32		0.00	TRANS	
NEW	NEW WESTMINSTER	204D	0.004	49-12-43	307.6	253.62	0	
	BC -	88.7	18.0	122-55-32		0.00	CLS=D	

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K204BI CP	BELLINGHAM WA	BPFT-041213ABN	204D 88.7	0.030 194.0	DA 48-48-04 122-27-40	302.7	200.11 0.00	0 TRANS
K204BI LIC	BELLINGHAM WA	BLFT-891127TA	204D 88.7	0.019 188.0	DA 48-48-04 122-27-40	302.7	200.11 0.00	0 TRANS
K204DH LIC	HANFORD WA	BLFT-991006AAY	204D 88.7	0.003 843.0	46-26-52 119-50-20	170.9	158.31 0.00	0 TRANS
K204CZ LIC	KENNEWICK WA	BLFT-041101AGM	204D 88.7	0.016 416.0	46-04-58 119-09-39	158.5	211.27 0.00	0 TRANS
KAGU LIC	SPOKANE WA	BLFT-041119ADR	204C1 88.7	5.000 466.0	47-34-52 117-17-47	97.0	217.48 6.48	211 CLOSE
K204DD LIC	WENATCHEE WA	BLFT-011022AAF	204D 88.7	0.012 441.0	47-22-44 120-17-14	189.8	53.62 0.00	0 TRANS
CBTKFM	KELOWNA BC	-	205C 88.9	4.700 511.0	49-58-00 119-31-40	11.0	239.55 44.55	195 CLEAR
	SATURNA ISLAND BC	-	205C 88.9	0.000 0.0	48-46-28 123-10-10	295.9	245.13 50.13	195 CLEAR
KCSH LIC	ELLENSBURG WA	BLFT-011026AAA	205A 88.9	0.380 167.0	47-10-02 120-45-50	210.7	88.65 -0.35	89 SHORT
K205DF LIC	ENUMCLAW WA	BLFT-020906AAE	205D 88.9	0.002 918.0	47-13-04 121-50-54	241.4	145.07 0.00	0 TRANS
KMIH CP	MERCER ISLAND WA	BPED-060327AIM	205D 88.9	0.030 69.0	47-34-21 122-13-05	259.2	157.11 0.00	0 CLS=D
K205AH LIC	OMAK, ETC. WA	BLFT-840119MB	205D 88.9	0.044 1221.0	DA 48-27-15 119-18-30	43.3	92.34 0.00	0 TRANS
K207CH LIC	TWISP WA	BLFT-980617TB	207D 89.3	0.003 830.0	48-19-06 120-06-46	4.4	51.77 0.00	0 TRANS
K207CS LIC	WENATCHEE WA	BLFT-040714ABS	207D 89.3	0.100 179.0	47-27-44 120-21-28	198.3	45.89 0.00	0 TRANS

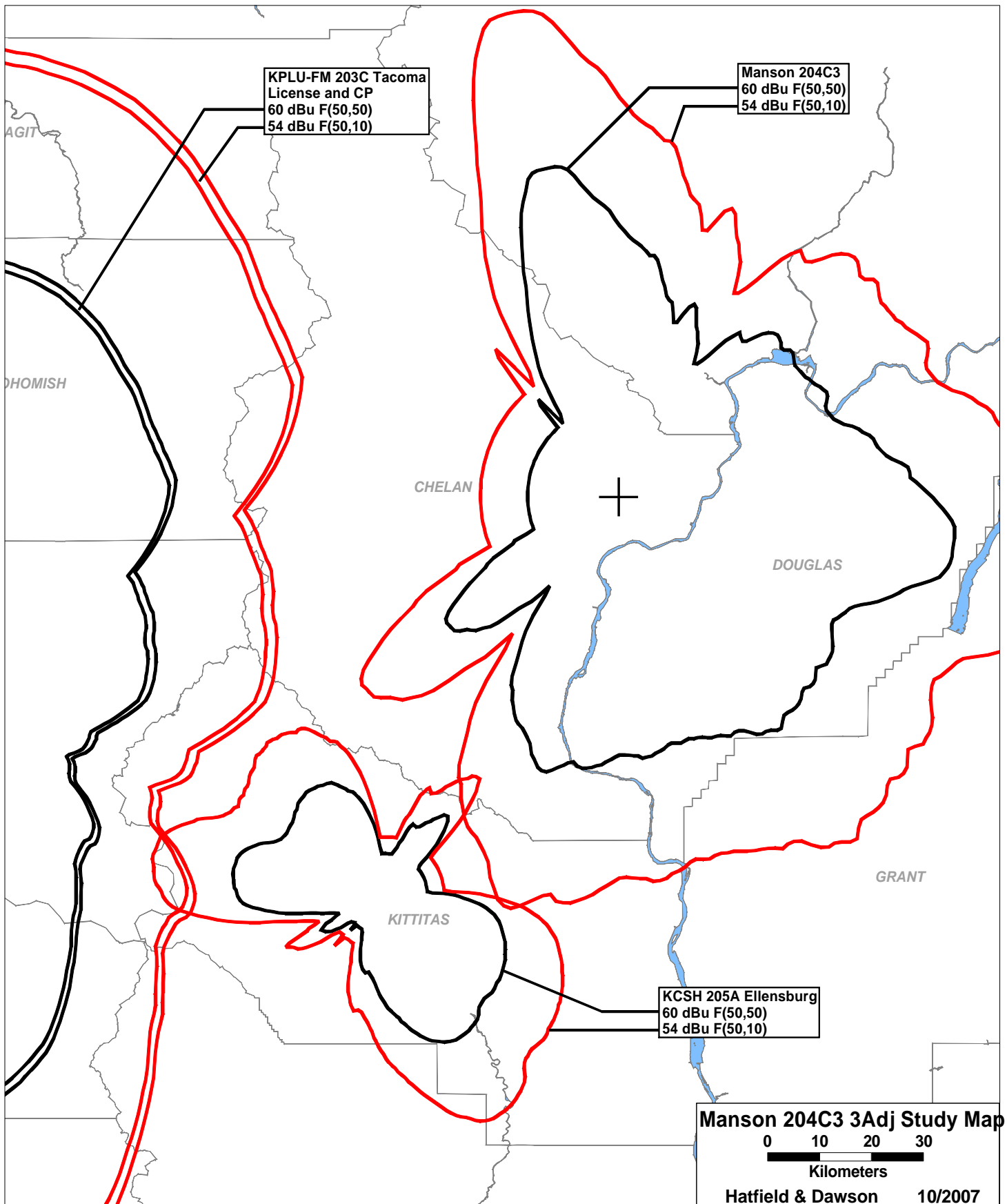
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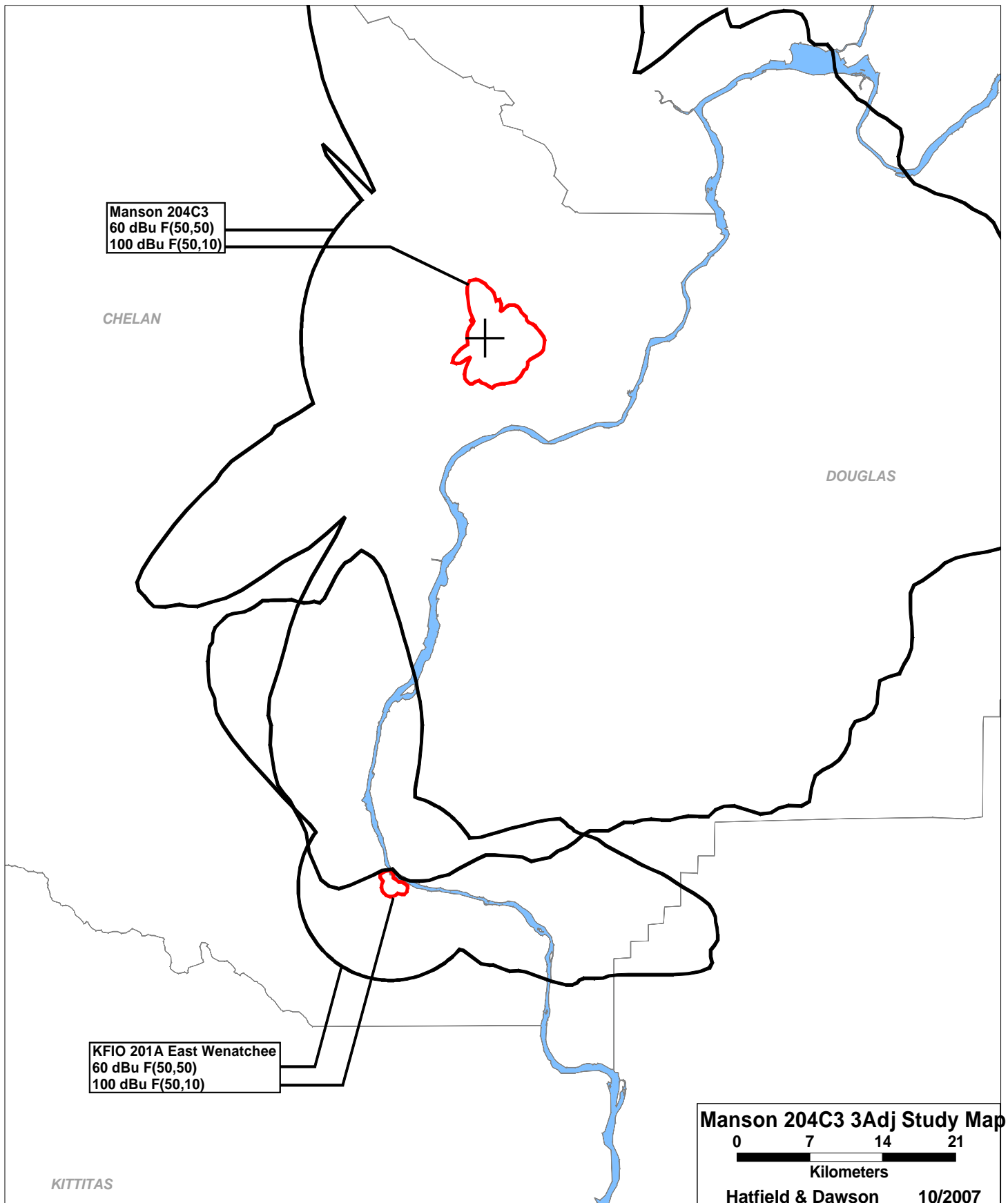
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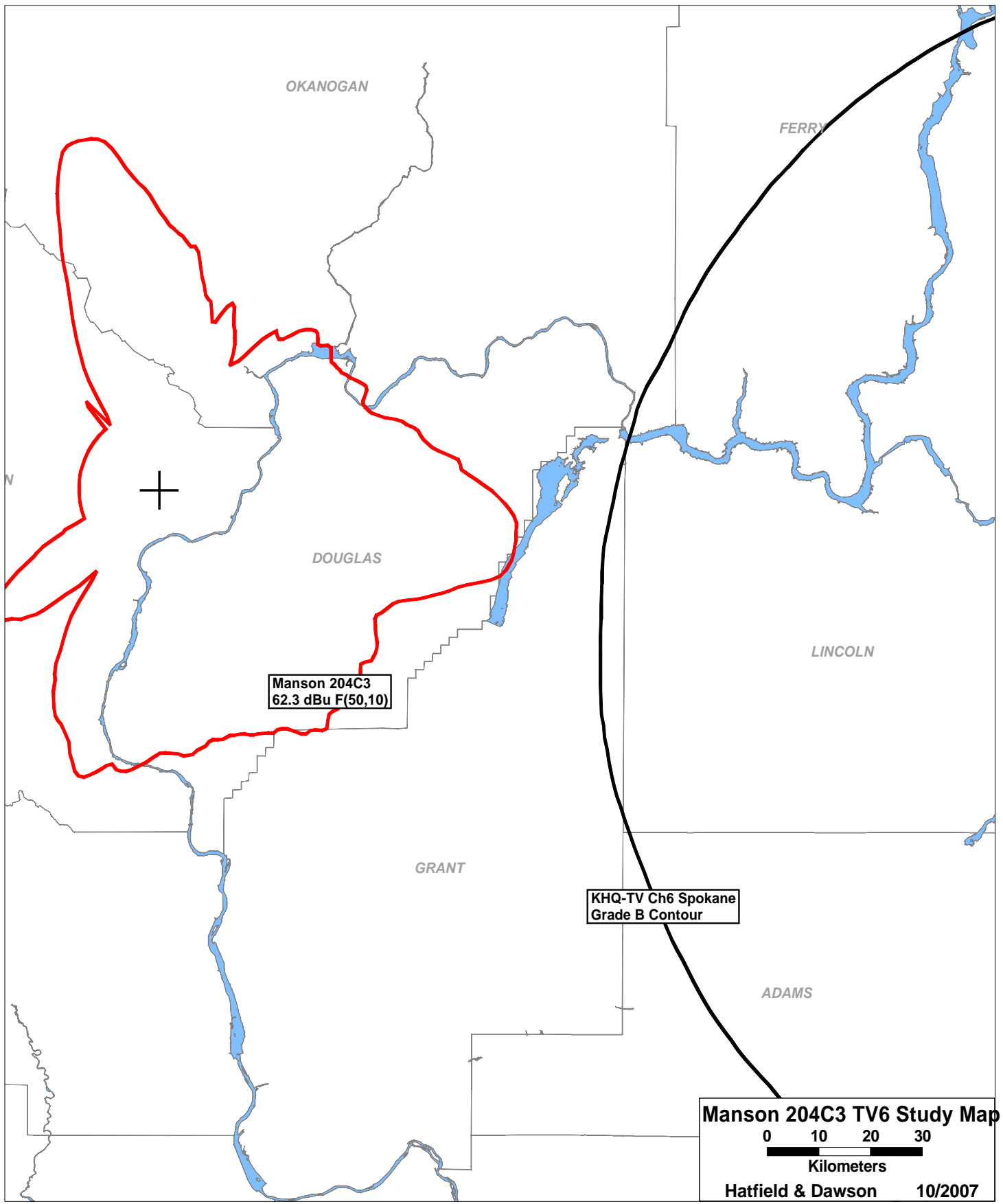
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Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
K257DN LIC	BREWSTER WA	BLFT-950712TD	257D 99.3	0.001 DA 1346.0	48-00-56 119-58-53	37.5	22.65 0.00	0 TRANS
NEW-T APP	OMAK WA	BNPFT-030317KMK	257D 99.3	0.050 251.0	48-21-08 119-33-52	38.7	71.25 0.00	0 TRANS
NEW-T APP	OMAK WA	BNPFT-030317KLN	257D 99.3	0.050 251.0	48-21-08 119-33-52	38.7	71.25 0.00	0 TRANS
KAAP LIC	ROCK ISLAND WA	BMLH-070220AAV	258A 99.5	5.300 DA -25.0	47-22-52 120-17-15	189.8	53.38 41.38	12 CLEAR

44444 END OF FM SPACING STUDY FOR CHANNEL 204 44444







Manson 204C3
62.3 dBu F(50,10)

KHQ-TV Ch6 Spokane
Grade B Contour

Manson 204C3 TV6 Study Map

0 10 20 30
Kilometers

Hatfield & Dawson 10/2007