

**FM Translator K223AN
Coeur d'Alene, ID Channel 223D
Allocation Study
October 2005**

The attached spacing study shows the spacing between the proposed fill-in translator site and the location of cochannel and adjacent channel stations and proposals. This study was made with the Commission's Class A spacing requirements, and individual situations were examined to determine the lack of prohibited contour overlap per the requirements of §74.1204 of the Rules. The attached allocation study maps demonstrate compliance with the Commission's Rules for protection of FM broadcast stations and FM translators as outlined in §74.1204.

The proposed transmitter site is inside the 60 dBu F(50,50) contour of a pending application for a new FM station on Channel 221C3 at St. Maries, Idaho. However, as demonstrated by the attached transmitter site map, the proposed 100 dBu F(50,10) contour extends no more than 0.3 km in any direction, and does not encompass any populated areas.

The proposed 34 dBu F(50,10) contour does not extend into Canadian territory. Therefore, the provision in the US-Canada FM Agreement limiting the 34 dBu F(50,10) contour to no more than 60 km in any direction, does not pertain.

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SEARCH PARAMETERS FM Database Date: 050923 Page 1

Channel: 223A 92.5 MHz

Latitude: 47 43 54

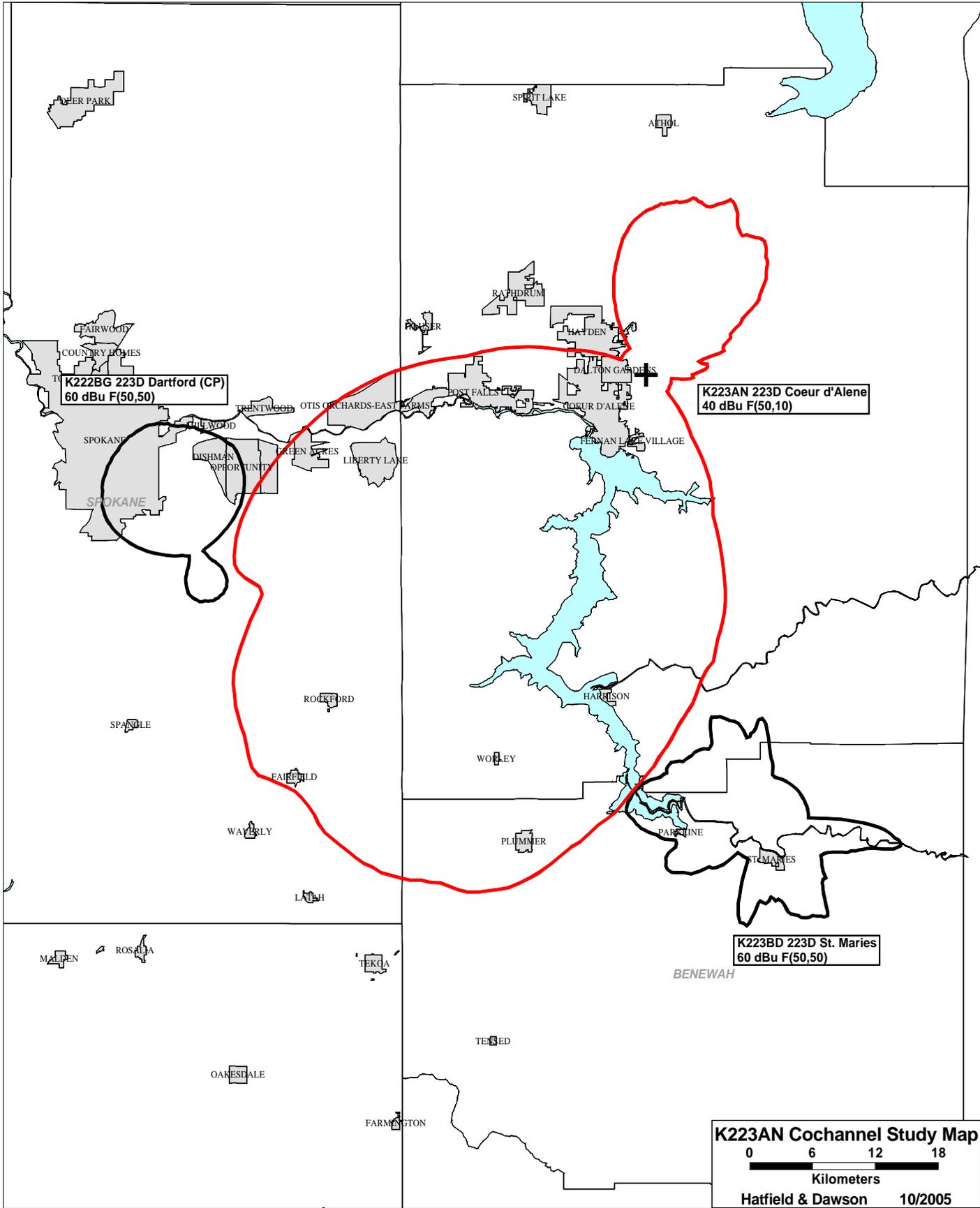
Longitude: 116 43 47

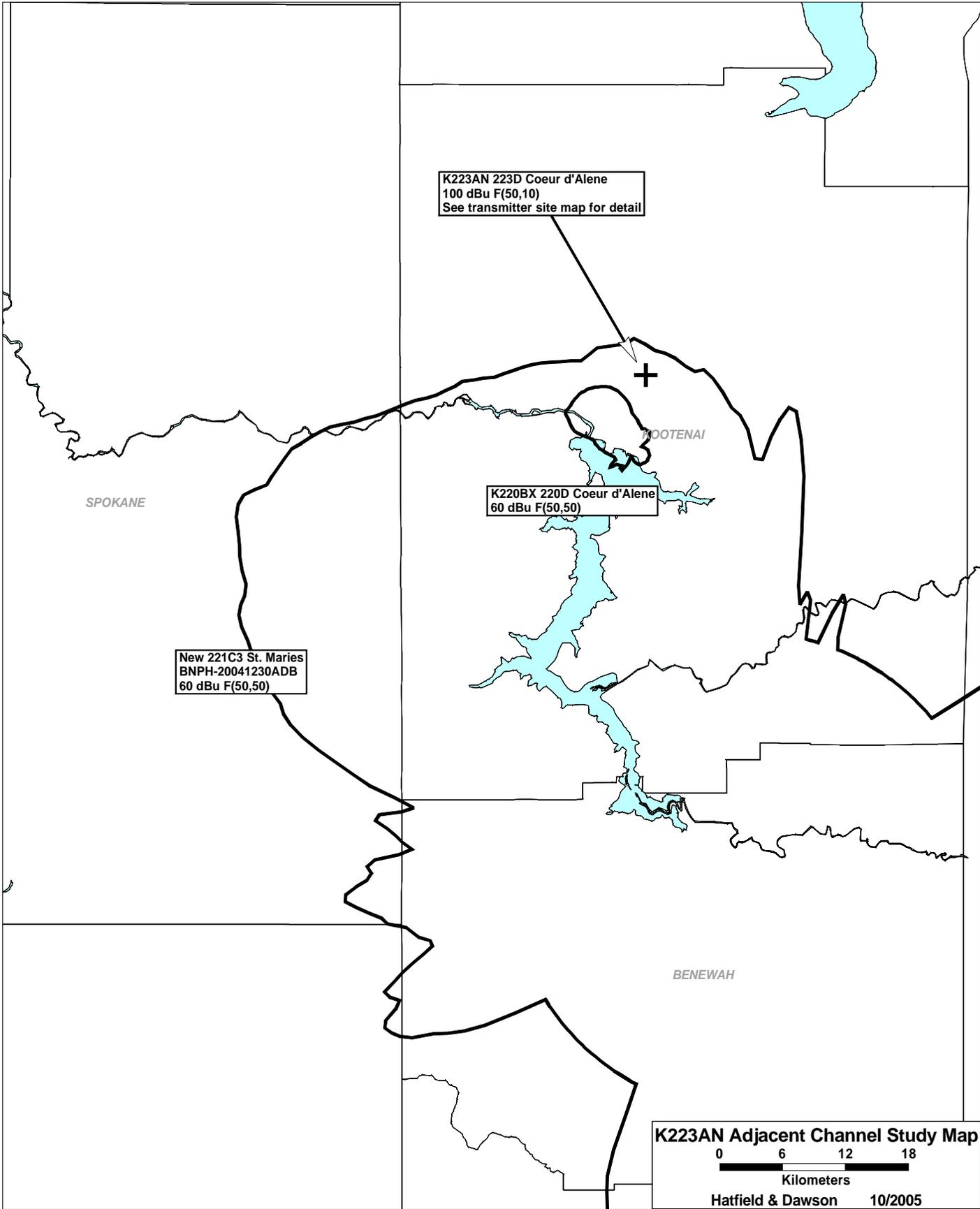
Safety Zone: 32 km

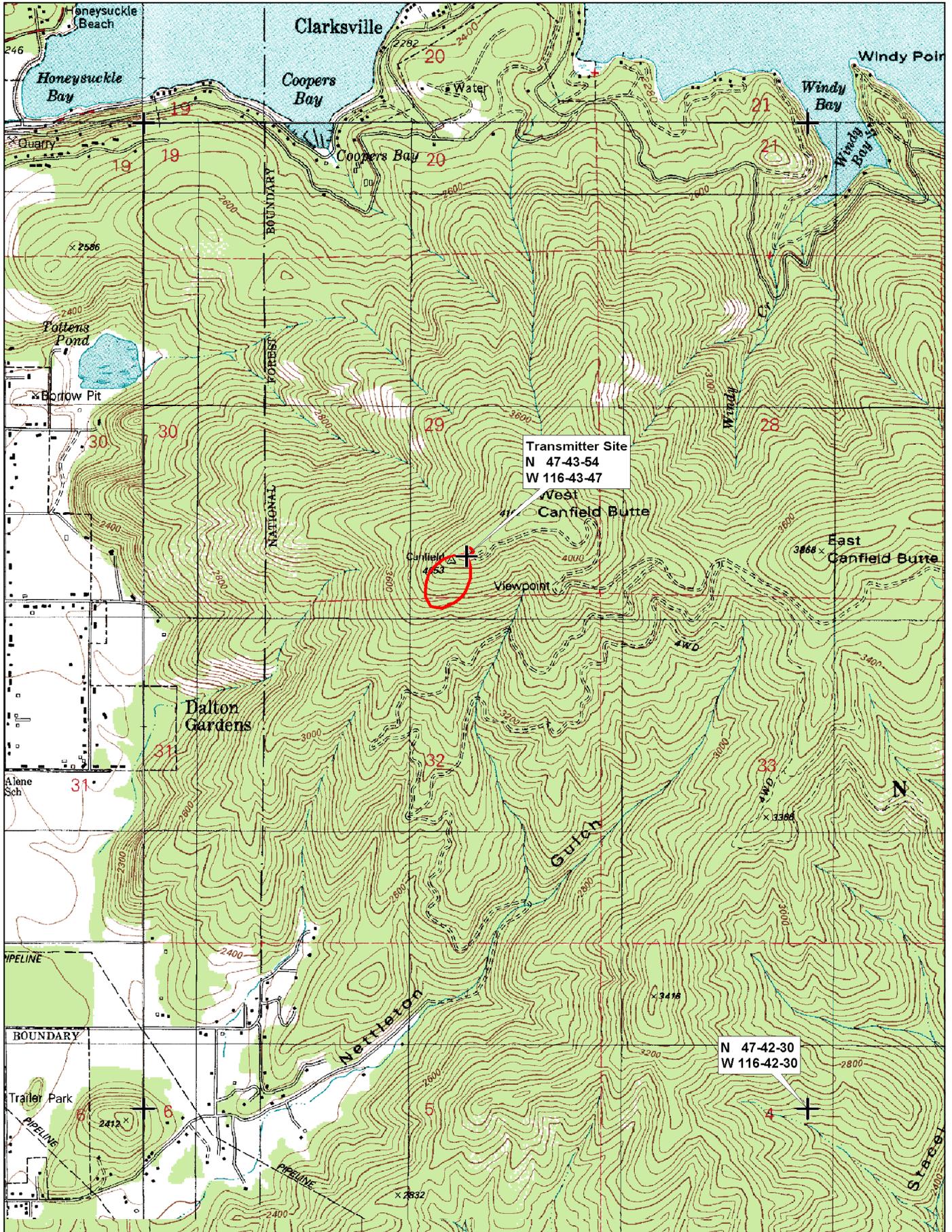
Job Title: K223AN CANFIELD BUTTE

Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
K220BX LIC	COEUR D'ALENE ID	BLFT-880603TE	220D 91.9	0.042 DA 107.0	47-40-00 116-44-45	189.5	7.33 0.00	0 TRANS
K220BW LIC	KELLOGG, ETC. ID	BLFT-880603TD	220D 91.9	0.042 DA 1106.0	47-29-32 116-08-33	121.0	51.56 0.00	0 TRANS
KSFC LIC	SPOKANE WA	BLED-030320ABD	220A 91.9	0.450 348.0	47-48-48 117-30-23	279.2	58.92 27.92	31 CLEAR
VAC	ST. MARIES ID	-	221A 92.1	0.000 0.0	47-18-54 116-34-30	165.9	47.77 16.77	31 CLEAR
NEW RSV	ST. MARIES ID	-	221C3 92.1	0.000 0.0	47-18-54 116-34-30	165.9	47.77 5.77	42 CLOSE
NEW APP	ST. MARIES ID	BSFH-040806AHO	221A 92.1	0.000 0.0	47-18-54 116-34-30	165.9	47.77 16.77	31 CLEAR
NEW APP	ST. MARIES ID	BNPH-041230ADB	221C3 92.1	25.000 100.0	47-18-15 116-36-01	168.4 SS	48.52 6.52	42 CLOSE
KQRK LIC	RONAN MT	BLH-811103AN	222C 92.3	60.000 707.0	47-46-25 114-16-04	87.6	184.66 19.66	165 CLEAR
K222BG LIC	DARTFORD WA	BLFT-041222AAB	222D 92.3	0.050 259.0	47-42-26 117-19-46	266.8	45.08 0.00	0 TRANS
	CASTLEGAR BC	-	223B 92.5	0.000 0.0	49-19-00 117-40-00	339.0	189.35 -20.65	210 SHORT
K223AN LIC	COEUR D'ALENE ID	BLFT-040205AFR	223D 92.5	0.006 DA 587.0	47-43-54 116-43-47	0.0	0.00 0.00	0 TRANS
K223BD CP MOD	ST. MARIES ID	BMPFT-050425AAC	223D 92.5	0.028 318.0	47-20-55 116-34-43	165.0	44.08 0.00	0 TRANS
K222BG CP	DARTFORD WA	BPFT-050812AAB	223D 92.5	0.010 DA 544.0	47-34-34 117-17-58	248.1	46.16 0.00	0 TRANS
KZHR LIC	DAYTON WA	BLH-920731KC	223C1 92.5	54.000 379.0	45-59-19 118-10-28	210.1	222.90 22.90	200 CLEAR
KZZU-FM LIC	SPOKANE WA	BLH-781017AE	225C 92.9	85.000 634.0	47-35-42 117-17-53	250.6	45.31 -49.69	95 SHORT
	ABSOLUTE MINIMUM 73.215 SPACING = 89 KM							
KCDA LIC	POST FALLS ID	BLH-030908ACL	276C1 103.1	18.500 DA 531.0	47-34-52 117-17-47	248.7 SS	45.74 23.74	22 CLEAR

44444 END OF FM SPACING STUDY FOR CHANNEL 223 44444

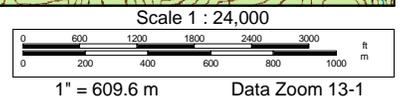
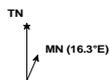






Transmitter Site
 N 47-43-54
 W 116-43-47

N 47-42-30
 W 116-42-30



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Facilities Proposed

The proposed operation will be on Channel 223D (92.5 MHz) with an effective radiated power of 17 Watts. Operation is proposed with a horizontally-polarized Scala HDCA-5H antenna mounted on an existing structure at Canfield Butte.

The proposed antenna support structure will not exceed 60.96 meters (200 feet) above ground and does not require notification to the Federal Aviation Administration. Therefore, this structure does not require an Antenna Structure Registration Number.

NIER Calculations

Section 1.1307(b)(1) of the Commission's Rules exempts FM translators and boosters operating with an effective radiated power of 100 Watts or less from the requirement to submit an Environmental Assessment to determine compliance with FCC specified guidelines for human exposure to radiofrequency radiation. The applicant proposes operation with a maximum lobe effective radiated power of 17 Watts and therefore no calculations have been submitted. Nonetheless, public access to the site is restricted and all station personnel and contractors are required to follow appropriate safety procedures, including turning off the transmitter if necessary, prior to commencing work on the antenna tower.