

**FM Translator K222AF  
Azalea, OR Channel 222D  
Allocation Study  
November 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 licensed K222AF facility causes existing first-adjacent-channel overlap to K221CP Grants Pass. The instant proposal will reduce the existing 63 sq km overlap to only 54 sq km.

The attached spacing study demonstrates compliance with §73.207 of the Commission's Rules regarding spacing restrictions to stations which are 53 or 54 channels removed from the proposed operation.

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SEARCH PARAMETERS FM Database Date: 051104

Channel: 222A 92.3 MHz Page 1

Latitude: 42 41 53

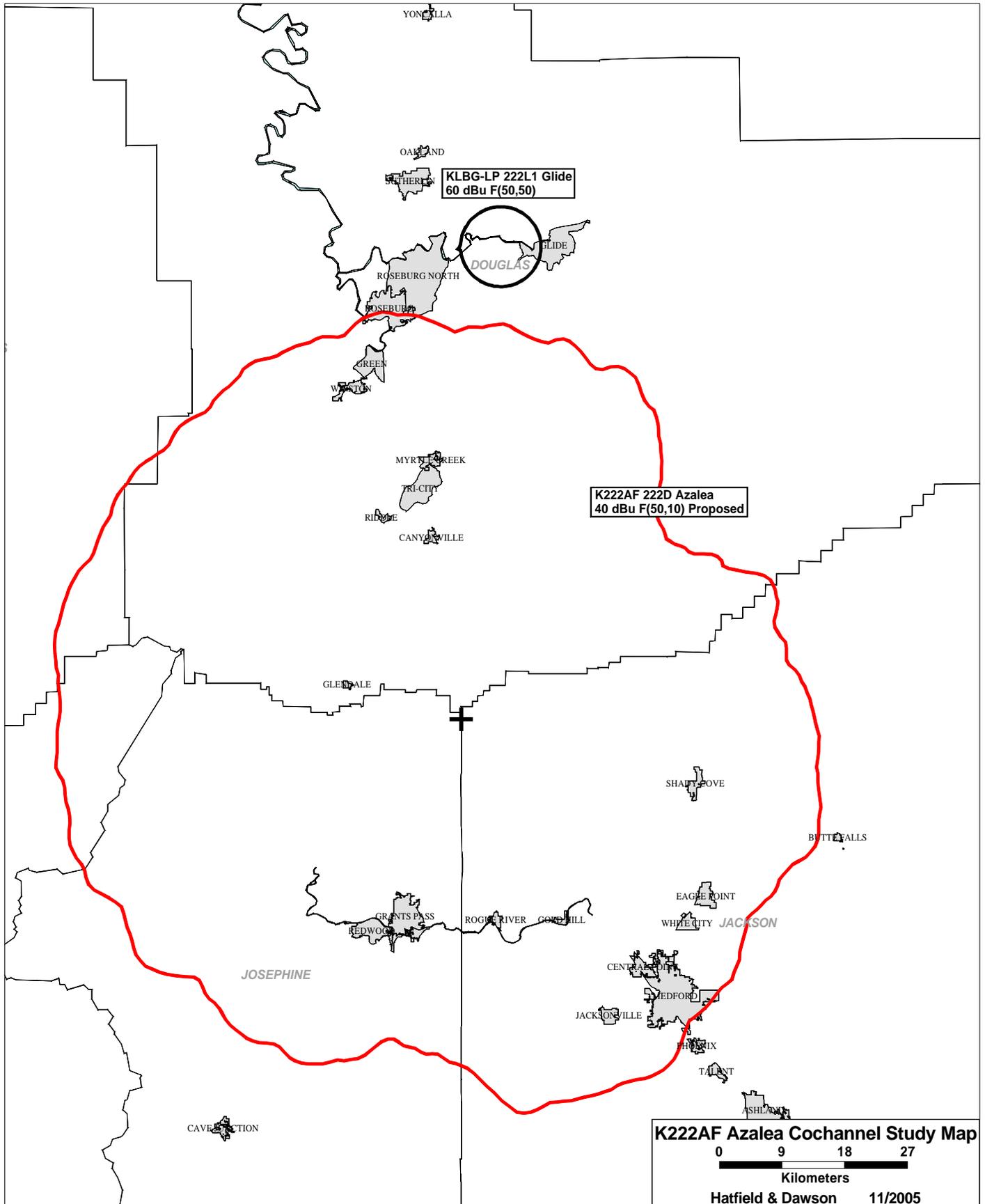
Longitude: 123 13 41

Safety Zone: 32 km

Job Title: K222AF AZALEA

Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
KDOV LIC	MEDFORD OR	BLED-950811KB	219C2 91.7	26.000 -111.0	42-17-44 122-48-15	142.0	56.69 1.69	55 CLOSE
K220AC LIC	RIDDLE, ETC. OR	BLFT-810602IF	220D 91.9	0.140 744.0 DA	42-54-06 123-17-07	348.4	23.10 0.00	0 TRANS
K220DQ LIC	ROSEBURG OR	BLFT-940216TC	220D 91.9	0.050 225.0 DA	43-12-24 123-21-47	349.1	57.57 0.00	0 TRANS
K221CP LIC	GRANTS PASS OR	BLFT-880425TD	221D 92.1	0.053 451.0 DA	42-28-17 123-18-12	193.8	25.93 0.00	0 TRANS
K221ED LIC	MEDFORD AND CENTRAL OR	BLFT-040617AFU	221D 92.1	0.065 493.0 DA	42-21-25 122-58-35	151.4	43.17 0.00	0 TRANS
KRED-FM LIC	EUREKA CA	BLH-910531KB	222C1 92.3	25.000 469.0	40-43-37 123-58-25	196.0	227.55 27.55	200 CLEAR
K222AF LIC	AZALEA OR	BLFT-950728TV	222D 92.3	0.010 952.0 DA	42-41-53 123-13-41	0.0	0.00 0.00	0 TRANS
KLBG-LP LIC	GLIDE OR	BLL-040330AEF	222L1 92.3	0.100 -64.0	43-18-05 123-09-34	4.7	67.26 0.26	67 CLOSE
KLAD-FM LIC	KLAMATH FALLS OR	BLH-891205KA	223C 92.5	63.000 653.0	42-05-50 121-37-59	116.5	147.31 -17.69	165 SHORT
K224CN LIC	ROSEBURG-GREEN OR	BLFT-970721TI	224D 92.7	0.082 293.0 DA	43-12-08 123-22-54	347.5	57.39 0.00	0 TRANS
VAC	BUTTE FALLS OR	RM-9849	225A 92.9	0.000 0.0	42-33-33 122-36-13	106.6	53.50 22.50	31 CLEAR
NEW APP	BUTTE FALLS OR	BSFH-050812ASV	225A 92.9	0.000 0.0	42-31-09 122-37-47	111.9	52.97 21.97	31 CLEAR
KEPO LIC	EAGLE POINT OR	BLED-970611KC	225D 92.9	0.014 -124.0	42-28-21 122-47-48	125.2	43.38 0.00	0 CLS=D
K225AC LIC	GRANTS PASS, ETC. OR	BLFT-920727TF	225D 92.9	0.250 415.0 DA	42-28-17 123-18-12	193.8	25.93 0.00	0 TRANS
K276EO CP MOD	MERLIN OR	BMPFT-040707AAF	276D 103.1	0.010 673.0	42-29-20 123-18-22	195.4	24.10 0.00	0 TRANS

44444 END OF FM SPACING STUDY FOR CHANNEL 222 44444



Note: Existing overlap caused to K221CP is reduced from 63 square kilometers to 54 square kilometers.

K222AF 222D Azalea  
54 dBu F(50,10) Existing  
54 dBu F(50,10) Proposed

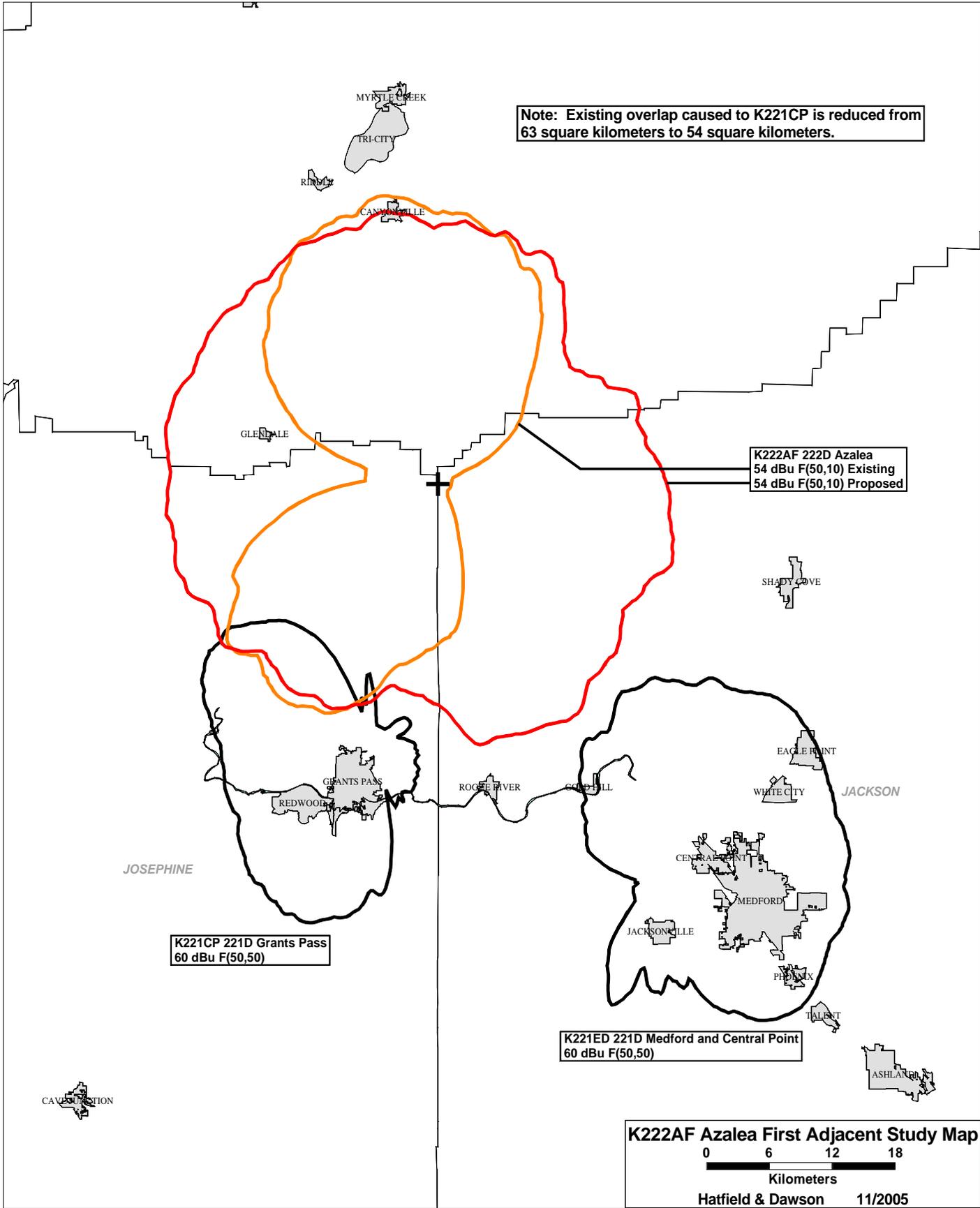
K221CP 221D Grants Pass  
60 dBu F(50,50)

K221ED 221D Medford and Central Point  
60 dBu F(50,50)

**K222AF Azalea First Adjacent Study Map**



Hatfield & Dawson 11/2005



**FM Translator K222AF  
Azalea, OR Channel 222D  
NIER Study  
November 2005**

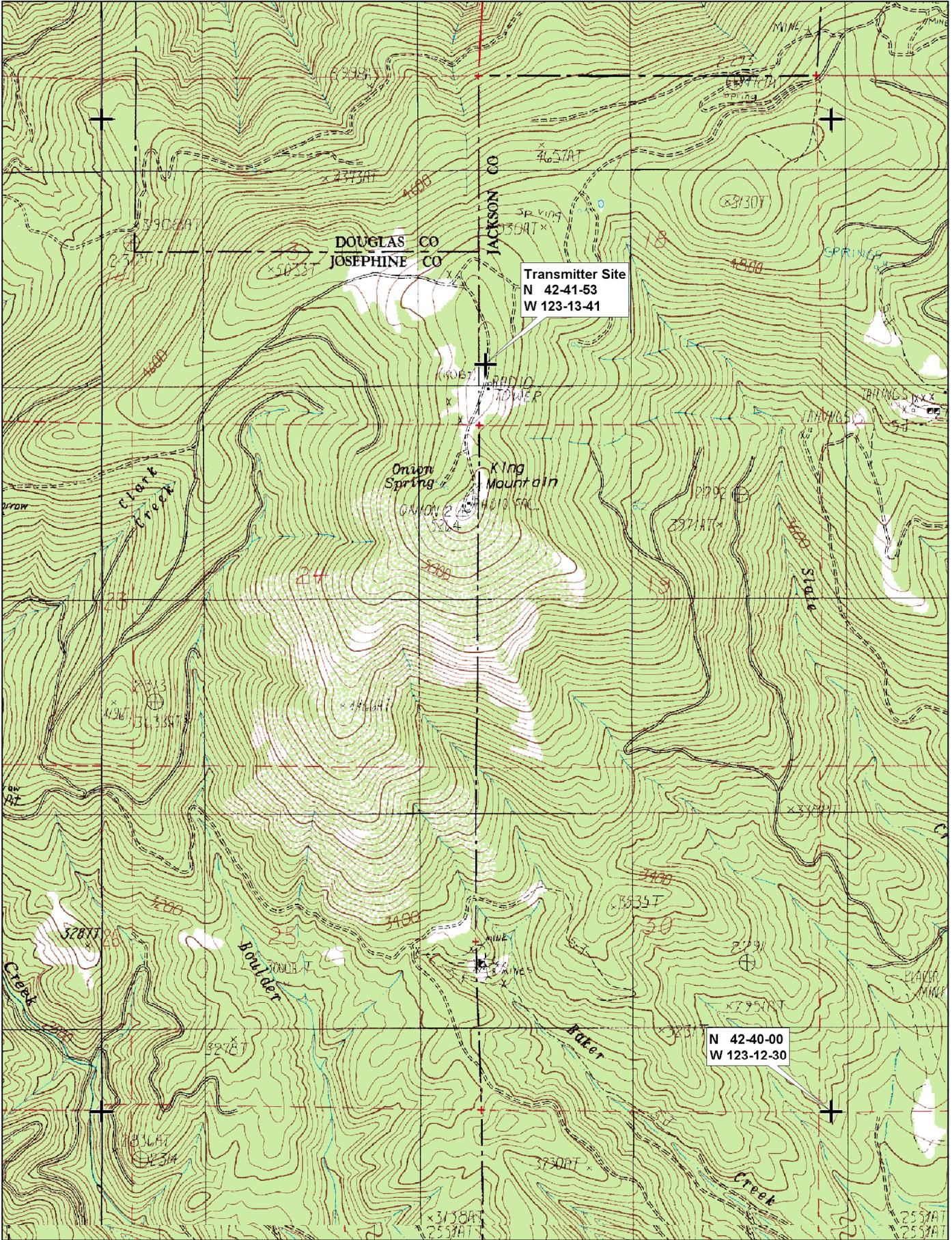
**Facilities Proposed**

The proposed operation will be on Channel 222D (92.3 MHz) with an effective radiated power of 8 Watts. Operation is proposed with an antenna to be mounted on an existing tower atop King Mountain.

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**

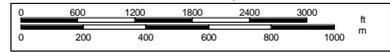
Section 1.1307(b)(1) of the Commission's Rules exempts FM translators and boosters operating with an effective radiated power of 100 Watts or less from the requirement to submit an Environmental Assessment to determine compliance with FCC specified guidelines for human exposure to radiofrequency radiation. The applicant proposes operation with an effective radiated power of 16 Watts (8 Watts H + 8 Watts V) 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.



Transmitter Site  
 N 42-41-53  
 W 123-13-41

N 42-40-00  
 W 123-12-30

Scale 1 : 24,000



1" = 609.6 m Data Zoom 13-1

