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**FM Translator K254DK
Channel 254D at Dayton, WA
To Rebroadcast KUJ(AM) 1420 kHz Walla Walla, WA
September 2018**

Allocation Study

The instant application proposes modification of the original construction permit for FM translator K254DK, including a change of transmitter site. The contour map includes a demonstration that the proposed 60 dBu contour overlaps the authorized 60 dBu contour, ensuring that this application qualifies as a minor change.

The attached spacing study shows the spacing between the proposed 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 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.

SEARCH PARAMETERS

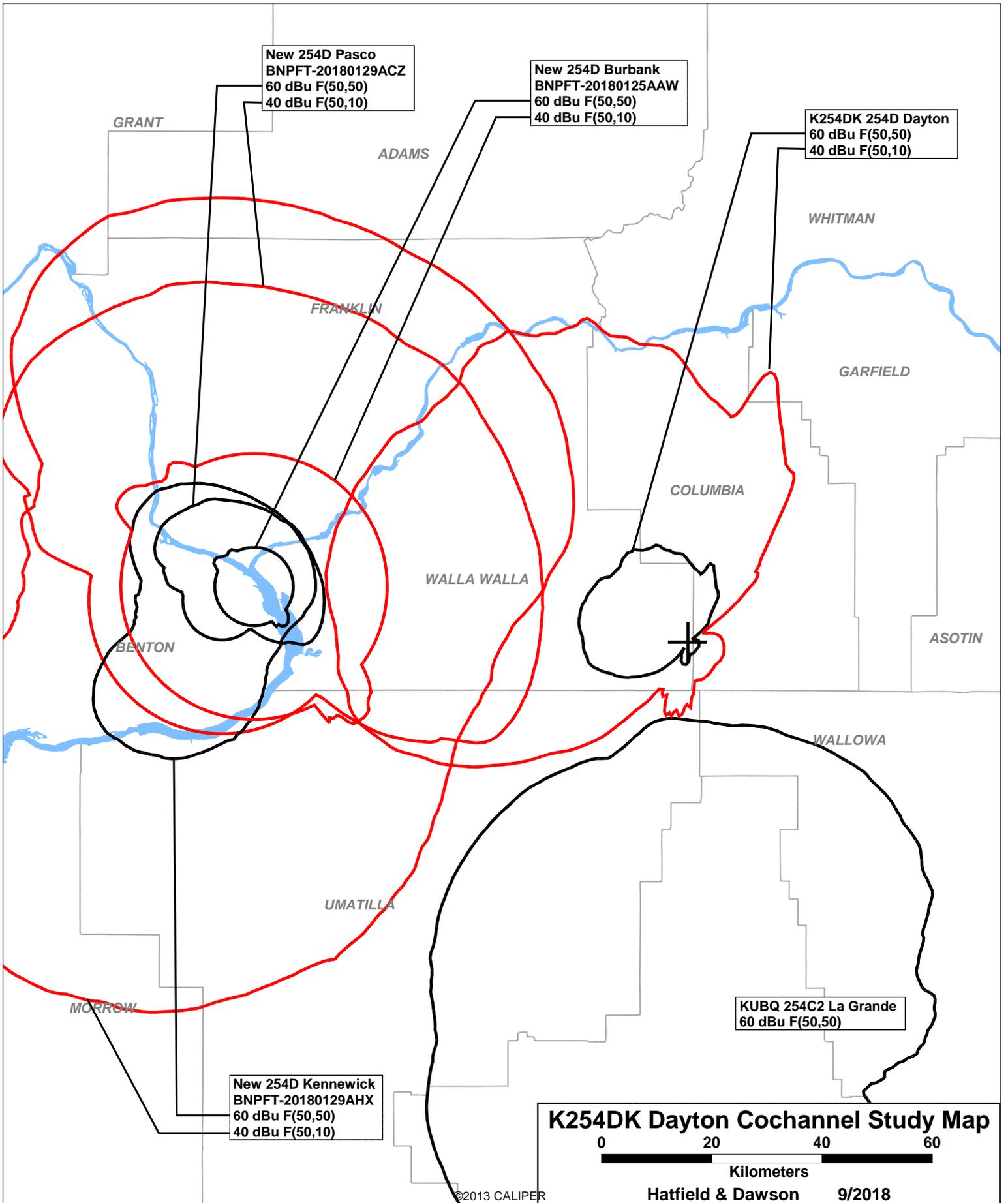
FM Database Date: 180917

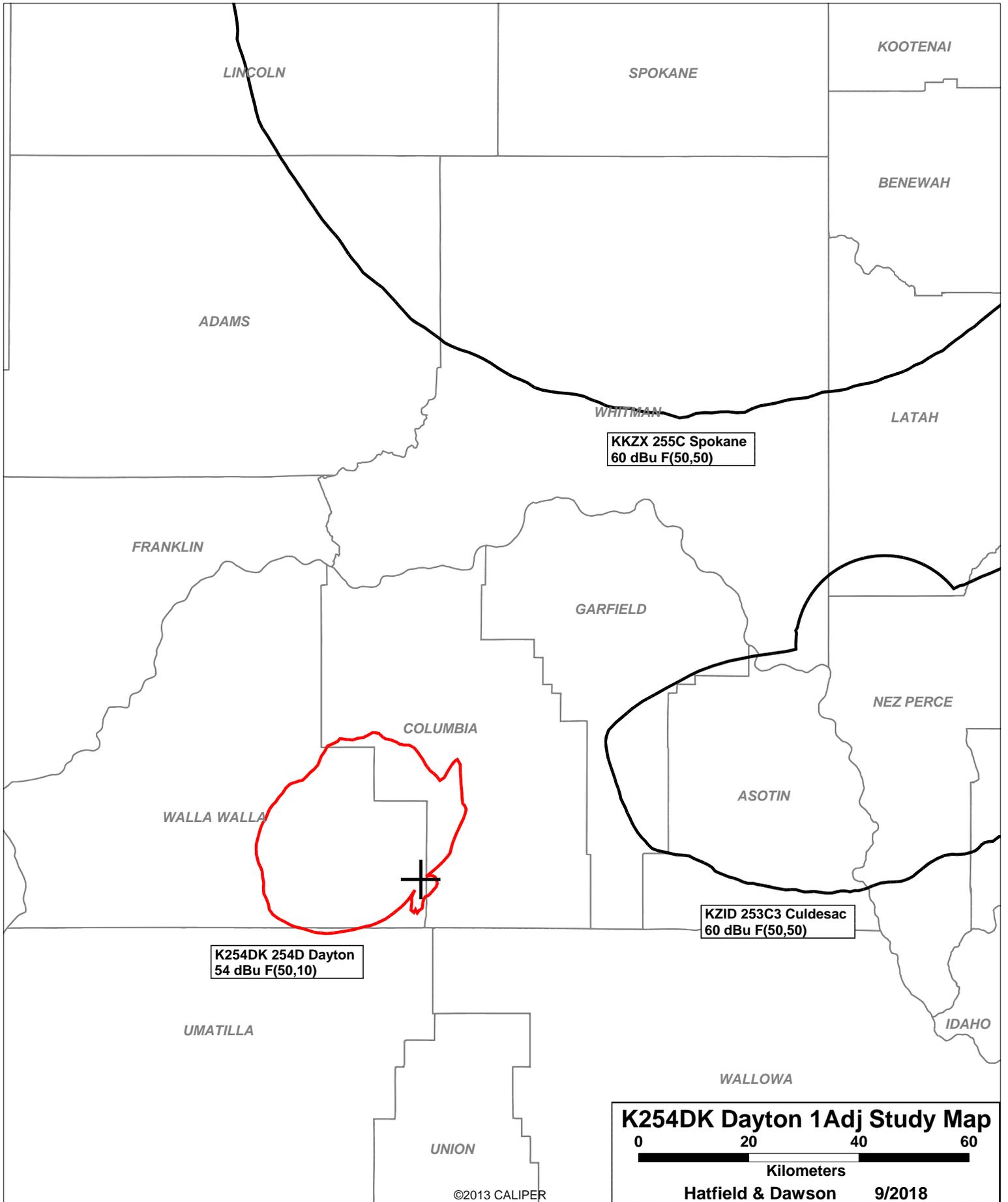
Channel: 254A 98.7 MHz
 Latitude: 46 4 45
 Longitude: 118 0 20
 Safety Zone: 50 km
 Job Title: LEWIS PEAK 254

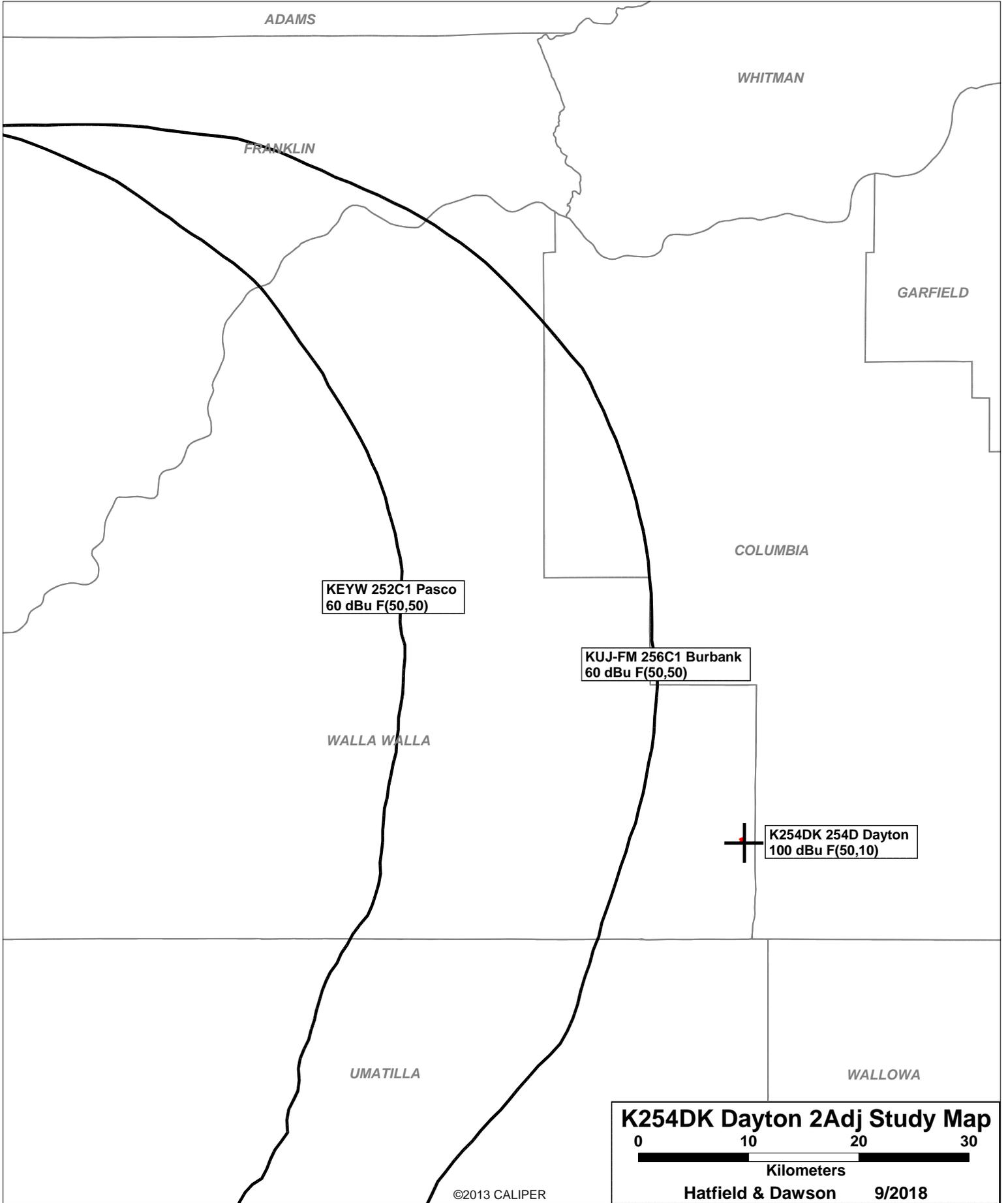
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Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
K201DX LIC	WALLA WALLA WA	BLFT-00215ABS	201D 88.1	0.010 743.0	45-59-38 118-10-47	234.9	16.48 0.00	0 TRANS
KEYW LIC	PASCO WA	BLH-30311ABH	252C1 98.3	25.000 304.0	46-04-58 119-09-39	270.7 SS	89.36 14.36	75 CLEAR
KZID LIC	CULDESAC ID	BLH-01110ADT	253C3 98.5	6.300 128.0	46-27-47 116-54-25	62.8 SS	94.83 5.83	89 CLOSE
KUBQ LIC	LA GRANDE OR	BLH-930909KB	254C2 98.7	2.250 592.0	45-26-26 117-53-31	172.9	71.53 -94.47	166 SHORT
NEW-T APP	BURBANK WA	BNPFT-80125AAW	254D 98.7	0.250 0.0	46-10-11 119-01-32	277.7	79.48 0.00	0 TRANS
K254DK CP	DAYTON WA	BNPFT-80503AAY	254D 98.7	0.250 170.0	46-19-54 117-59-25	2.4	28.09 0.00	0 TRANS
NEW-T APP	KENNEWICK WA	BNPFT-80129AHX	254D 98.7	0.250 434.0	46-05-51 119-11-30	271.7	91.76 0.00	0 TRANS
KMNA LIC	MABTON WA	BLH-30325ADO	254C2 98.7	11.500 266.4	46-28-33 120-08-37	285.8 SS	170.59 4.59	166 CLOSE
NEW-T APP	PASCO WA	BNPFT-80129ACZ	254D 98.7	0.250 203.0	46-08-47 119-06-03	275.5	85.00 0.00	0 TRANS
KKZX LIC	SPOKANE WA	BMLH-990302KA	255C 98.9	100.000 490.0	47-35-35 117-17-46	17.5	176.78 11.78	165 CLEAR
KUJ-FM LIC	BURBANK WA	BLH-60905AAY	256C1 99.1	52.000 385.0	46-05-58 119-07-40	271.9 SS	86.82 11.82	75 CLEAR

===== END OF FM SPACING STUDY FOR CHANNEL 254 =====







ADAMS

WHITMAN

FRANKLIN

GARFIELD

COLUMBIA

KEYW 252C1 Pasco
60 dBu F(50,50)

KUJ-FM 256C1 Burbank
60 dBu F(50,50)

WALLA WALLA

K254DK 254D Dayton
100 dBu F(50,10)

UMATILLA

WALLOWA

K254DK Dayton 2Adj Study Map

0 10 20 30

Kilometers

Hatfield & Dawson 9/2018

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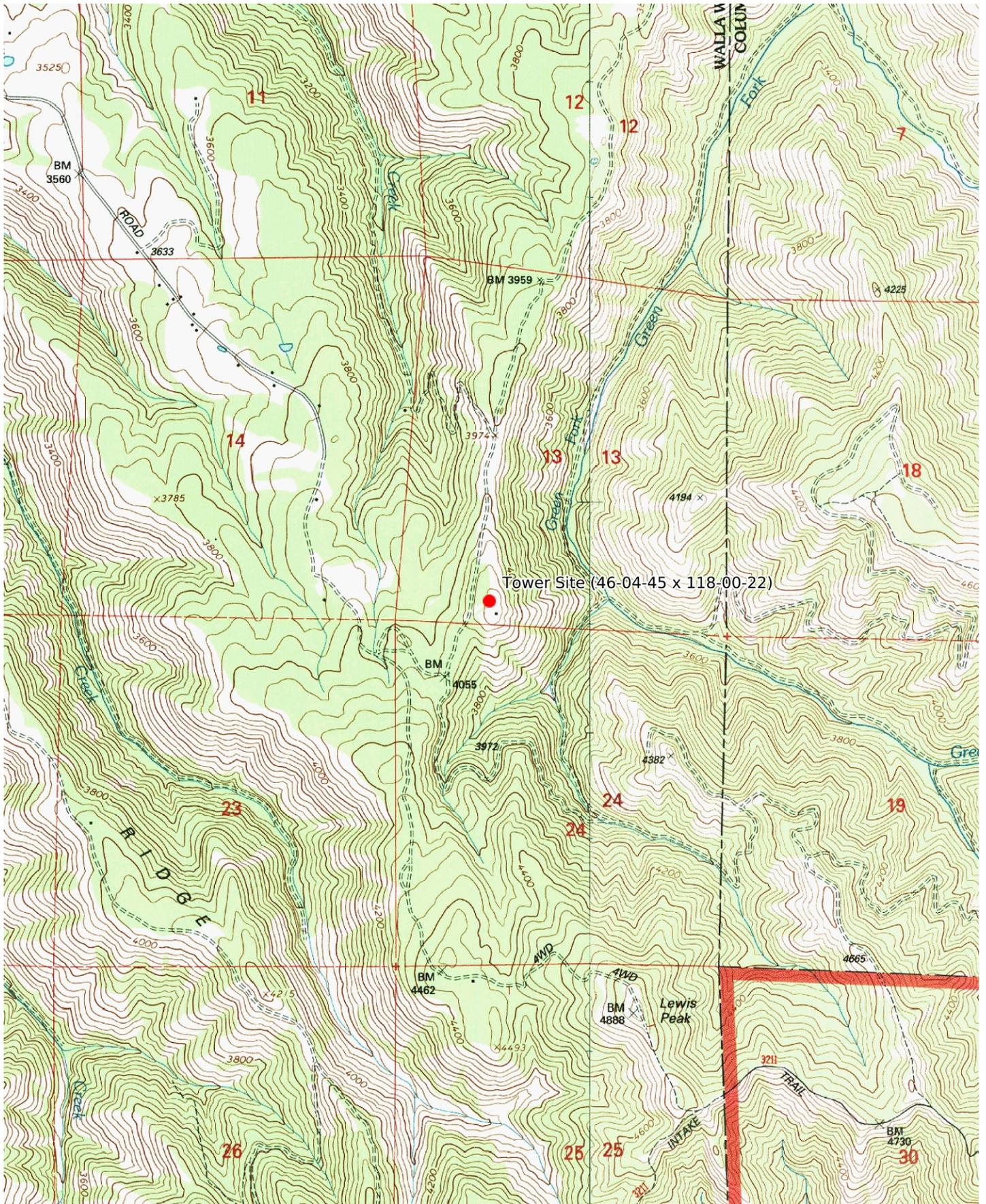
Facilities Proposed

The proposed operation will be on Channel 254D (98.7 MHz) with a maximum lobe effective radiated power of 0.040 kilowatts. Operation is proposed with a directional antenna which will be side-mounted on an existing tower on Lewis Peak.

The proposed antenna support structure does 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.

RF Exposure 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 electromagnetic fields. The applicant proposes operation with a maximum lobe effective radiated power of 40 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.



Mercator Projection
 NAD27 Conus
 USNG Zone 11TMM
 CalTopo

