

**FM Translator K246AV  
Eagle River, Alaska Channel 244D  
Allocation Study  
August 2007**

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 proposed translator transmitter site is located within the 60 dBu protected contour of second-adjacent-channel station KXLW 242C2 Houston. The proposed site is 0.05 km from the KXLW transmitter site at a bearing of 235 degrees True. Given the very short distance between the two transmitter sites, the free space equation has been used to calculate the KXLW field strength in the vicinity of the translator transmitter site. The result of this calculation indicates that KXLW places a 143 dBu contour at the translator transmitter site. The corresponding interfering contour from the translator is  $143 + 40 = 183$  dBu. The 183 dBu free space contour from the proposed translator facility extends only 0.05 meters from the antenna and does not reach the ground. Therefore, the proposed facility is believed to satisfy the requirements of §74.1204(d) with respect to KXLW.

The proposed translator facility will operate with only 99 Watts ERP, and thus is exempt from the IF channel spacing requirements of §73.207.

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## SEARCH PARAMETERS

FM Database Date: 070817

Channel: 244A 96.7 MHz  
 Latitude: 61 20 12  
 Longitude: 149 30 45  
 Safety Zone: 75 km  
 Job Title: EAGLE RIVER 244D

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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)
NEW-T APP	MOOSE PASS AK	BNPFT-030317JKB	241D 96.1	0.250 0.0	60-24-23 149-22-17	175.7	103.94 0.00	0 TRANS
KXLW LIC	HOUSTON AK	BLH-001004AMG	242C2 96.3	10.000 270.0	61-20-11 149-30-48	235.2	0.05 -54.95	55 SHORT
NEW-T APP	COOPER LANDING AK	BNPFT-030317GQT	243D 96.5	0.250 0.0	60-29-22 149-44-09	187.4	95.18 0.00	0 TRANS
NEW-T APP	PRIMROSE AK	BNPFT-030317JJQ	243D 96.5	0.250 0.0	60-15-23 149-20-59	175.7	120.70 0.00	0 TRANS
KKIS-FM LIC	SOLDOTNA AK	BLH-940329KA	243C3 96.5	10.000 79.0	60-31-26 151-03-23	223.4	123.34 34.34	89 CLEAR
NEW-T APP	SEWARD AK	BNPFT-030317JJM	245D 96.9	0.250 0.0	60-09-36 149-23-30	177.1	131.28 0.00	0 TRANS
K246AV CP	EAGLE RIVER AK	BNPFT-030828BEC	246D 97.1	0.250 0.0	61-20-11 149-30-48	235.2	0.05 0.00	0 TRANS
NEW-T APP	MOOSE PASS AK	BNPFT-030317JJX	246D 97.1	0.250 0.0	60-24-23 149-22-17	175.7	103.94 0.00	0 TRANS
KEAGaux LIC	ANCHORAGE AK	BXLH-070411ABO	247C1 97.3	5.300 -16.0	61-07-14 149-53-42	220.6	31.66 0.00	0 AUX
KEAG LIC	ANCHORAGE AK	BLH-061205ADT	247C1 97.3	55.000 19.0	61-07-12 149-53-43	220.5	31.71 -43.29	75 SHORT
KASH-FM LIC	ANCHORAGE AK	BLH-031208BVO	298C1 107.5	100.000 299.0	61-20-11 149-30-48	235.2	0.05 -21.95	22 SHORT

NOTE: PROPOSED TRANSLATOR ERP IS 99 WATTS, NO IF CHANNEL SPACING REQUIRED

44444 END OF FM SPACING STUDY FOR CHANNEL 244 44444

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NIER Study  
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**Facilities Proposed**

The proposed operation will be on Channel 244D (96.7 MHz) with an effective radiated power of 99 Watts. Operation is proposed with an antenna to be mounted on an existing tower at the Eagles Nest transmitter site. The FCC Antenna Structure Registration Number for the tower is 1247560.

**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 99 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.