

January 2011
FM Translator K240CG
Prineville, Oregon Channel 237D
Allocation Study

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 map demonstrates compliance with the Commission's Rules for protection of FM broadcast stations and FM translators as outlined in §74.1204.

The proposed translator transmitter site is located within the 60 dBu protected contour of second-adjacent channel station KLTW-FM 239C1 Prineville (CP). The proposed site is 50.1 km from the KLTW-FM (CP) transmitter site at a bearing of degrees True. Given the KLTW-FM (CP) antenna's 306 meter HAAT and 100 kW ERP along this radial, KLTW-FM (CP) places a 70.2 dBu contour at the translator transmitter site. The corresponding interfering contour from the translator is $70.2 + 40 = 110.2$ dBu. The attached map of the proposed transmitter site depicts the 110.2 dBu contour from the proposed facility. There is no population within this contour. Therefore, the proposed facility is believed to satisfy the requirements of §74.1204(d) with respect to KLTW-FM (CP).

The proposed facility will operate with an ERP of less than 100 watts. Therefore there are no spacing restrictions to stations which are 53 or 54 channels removed from the proposed operation.

Statement regarding KLTW-FM 236C1 Prineville (License)

The proposed facility will be on a first-adjacent channel to the licensed facility for KLTW-FM on Channel 236C1 at Prineville, and the proposed 54 dBu F(50,10) contour would overlap the KLTW-FM (License) 60 dBu contour.

KLTW-FM, however, holds a construction permit BPH-20090803ABW which when implemented will place that station on Channel 239C1, first-adjacent to the K240CG license and operating in the same area. The modified KLTW-FM facility will cause widespread interference to the K240CG licensed operation and will necessitate that K240CG discontinue operation on Channel 240D.

It has been determined that K240CG can be modified to operate on Channel 237D once (but not until) KLTW-FM implements its channel change. Based on informal advice from senior Audio Division staff, we respectfully request that the Commission grant K240CG a construction permit to operate on Channel 237D, conditioned on KLTW-FM implementing BPH-20090803ABW.

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SEARCH PARAMETERS FM Database Date: 110115

Channel: 237A 95.3 MHz Page 1

Latitude: 44 26 17

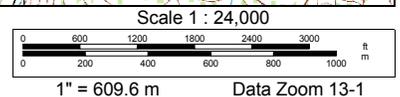
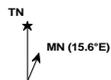
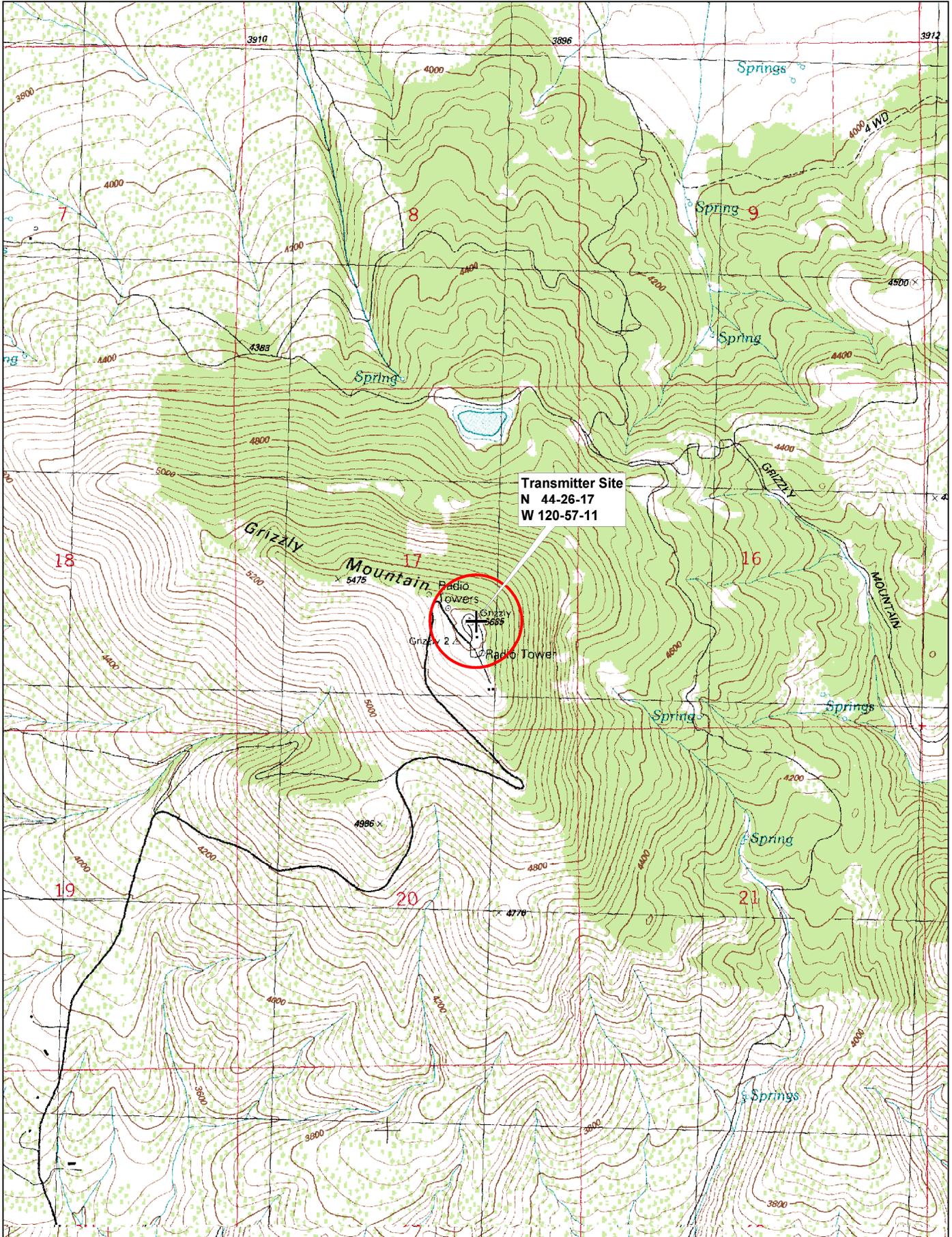
Longitude: 120 57 11

Safety Zone: 50 km

Job Title: PRINEVILLE 237

Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
KLTW-FM LIC	PRINEVILLE OR	BLH-850916KA	236C1 95.1	100.000 144.0	44-18-32 120-55-47	172.6	14.47 -118.53	133 SHORT
KUJZ LIC	CRESWELL OR	BLH-920331KC	237C3 95.3	0.630 368.0	44-00-04 123-06-45	255.0 SS	179.27 37.27	142 CLEAR
KXTG LIC	PORTLAND OR	BLH-980901KC	238C 95.5	100.000 386.0	45-29-20 122-41-40	311.1	180.32 15.32	165 CLEAR
KXTGaux LIC	PORTLAND OR	BLH-981023KC	238C 95.5	40.000 309.0	45-29-20 122-41-40	311.1	180.32 0.00	0 AUX
KLTW-FM CP	PRINEVILLE OR	BPH-90803ABW	239C1 95.7	100.000 182.0	44-04-40 121-19-49	217.0 SS	50.10 -24.90	75 SHORT
K240CG LIC	PRINEVILLE OR	BLFT-930105TB	240D 95.9	0.039 812.0	44-26-17 120-57-11	0.0	0.00 0.00	0 TRANS
K291BL LIC	GRIZZLY OR	BLFT-80725ADH	291D 106.1	0.010 814.0	44-26-17 120-57-14	295.0	0.07 0.00	0 TRANS
K291BL CP MOD	POWELL BUTTE OR	BMPFT-90821ABI	291D 106.1	0.075 660.0	44-11-51 120-58-36	184.0	26.80 0.00	0 TRANS

44444 END OF FM SPACING STUDY FOR CHANNEL 237 44444



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RF Exposure Study

Facilities Proposed

The proposed operation will be on Channel 237D (95.3 MHz) with an effective radiated power of 99 watts. Operation is proposed with an antenna to be mounted on an existing tower on Grizzly Mountain.

The 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 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.