

February 2014
FM Translator K245BV
Incline Village, NV Channel 245D
Allocation Study

Background

This application is being filed to modify the original construction permit for K245BV. The attached contour map exhibit demonstrates that the proposed 60 dBu contour overlaps the original construction permit 60 dBu contour over land area.

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 KLCA 243C1 Tahoe City. The proposed site is 0.34 km from the KLCA transmitter site. Given the KLCA antenna's 6.1 kW ERP, KLCA places a 124.1 dBu contour at the translator transmitter site per a Free Space calculation. The corresponding interfering contour from the translator is $124.1 + 40 = 164.1$ dBu. This contour would extend just 0.4 meters from the translator antenna per a Free Space calculation and would not reach ground level. Nor are there any occupied structures or major highways within that radius, as is depicted on the attached map of the proposed transmitter site. There is no population within this contour. Therefore, the proposed facility is believed to satisfy the requirements of §74.1204(d) with respect to KLCA.

The proposed translator transmitter site is located within the 60 dBu protected contour of second-adjacent channel station KOLC 247C Carson City. The proposed site is 16.25 km from the KOLC transmitter site at a bearing of 293 degrees True. Given the KOLC antenna's 530 meter HAAT and 87 kW ERP along this radial, KOLC places a 95.9 dBu contour at the translator transmitter site. The corresponding interfering contour from the translator is $95.9 + 40 = 135.9$ dBu. The attached map of the proposed transmitter site depicts the 135.9 dBu contour from the proposed facility, which extends at most 11.2 meters from the antenna per a Free Space calculation. There are no occupied structures or major highways within that radius, as is depicted on the attached map of the proposed transmitter site. There is no population within this contour. Therefore, the proposed facility is believed to satisfy the requirements of §74.1204(d) with respect to KOLC.

The proposed facility will operate with an ERP of only 99 watts. Therefore there are no spacing requirements to stations which are 53 or 54 channels removed from the proposed operation.

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SEARCH PARAMETERS FM Database Date: 140210

Channel: 245C3 96.9 MHz Page 1

Latitude: 39 18 49

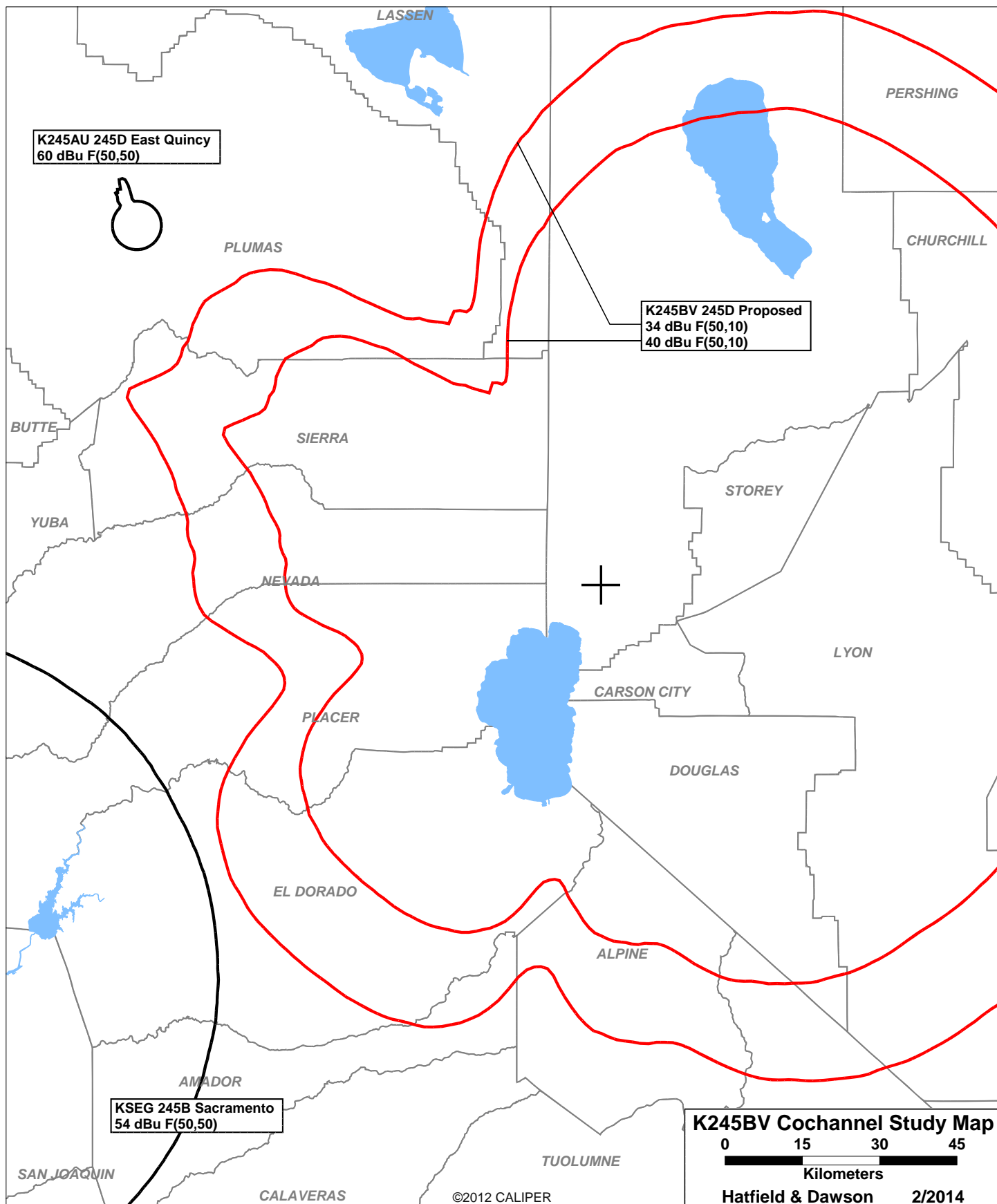
Longitude: 119 53 0

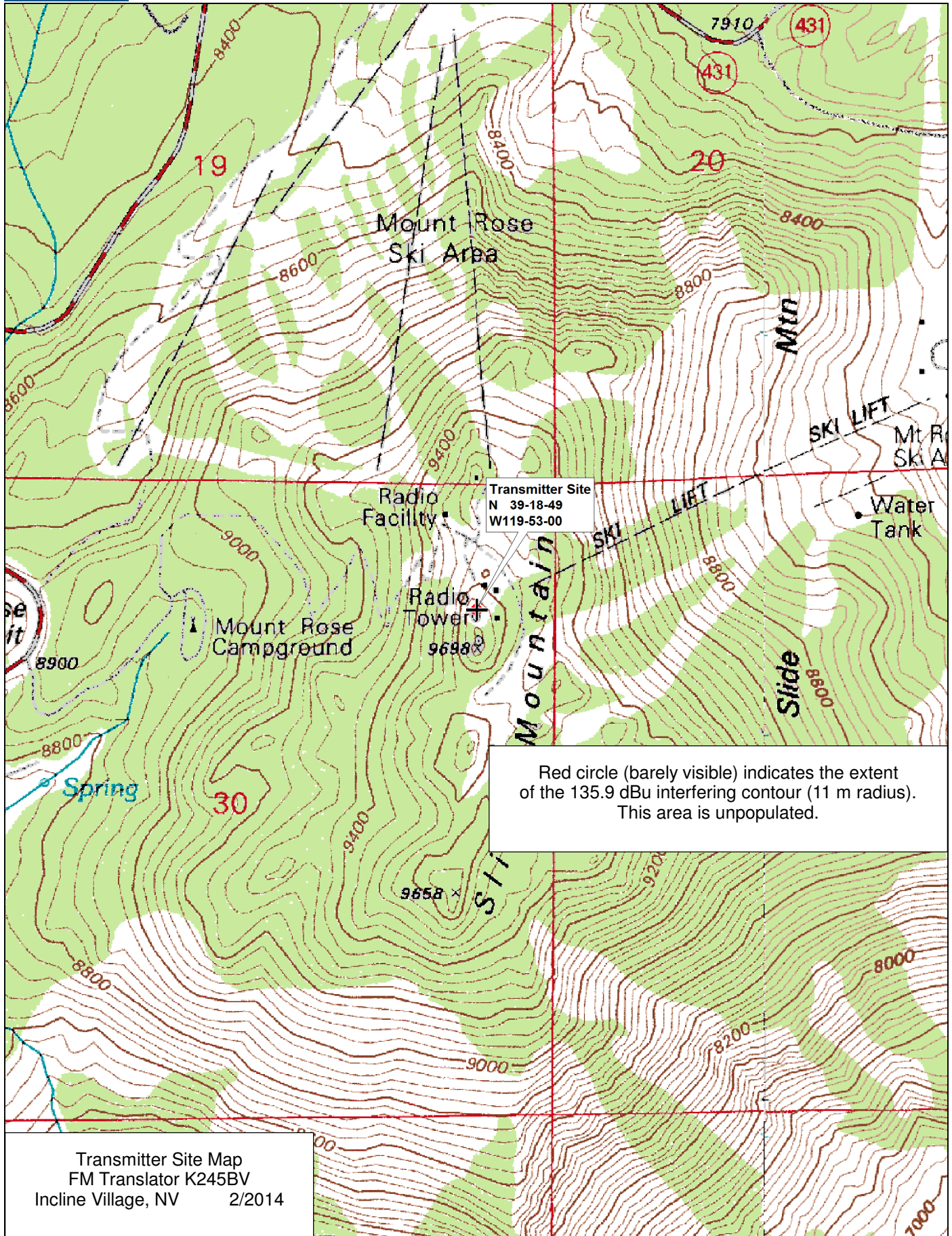
Safety Zone: 50 km

Job Title: K245BV SLIDE MOUNTAIN

Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
KLCA	TAHOE CITY		243C1	6.100	39-18-38	184.0	0.34	76
LIC	CA BLH-980116KC		96.5	903.0	119-53-01	SS	-75.66	SHORT
K245AU	EAST QUINCY		245D	0.050	39-56-25	308.3	113.48	0
LIC	CA BLFT-70105ADW		96.9	112.0	120-55-39		0.00	TRANS
KSEG	SACRAMENTO		245B	50.000	38-38-53	242.3	156.63	211
LIC	CA BLH-990714KC		96.9	152.0	121-28-38		-54.37	SHORT
KSEGaux	SACRAMENTO		245B	8.400	38-38-53	242.3	156.63	0
LIC	CA BXLH-10810AAG		96.9	78.0	121-28-38		0.00	AUX
K245BV	INCLINE VILLAGE		245D	0.220	38-55-38	185.4	43.09	0
CP	NV BNPFT-30829AAT		96.9	910.0	119-55-50		0.00	TRANS
KOLCaux	CARSON CITY		247C	31.000	39-15-21	113.3	16.25	0
LIC	NV BLH-911206KA		97.3	620.0	119-42-37		0.00	AUX
KOLC	CARSON CITY		247C	87.000	39-15-21	113.3	16.25	96
LIC	NV BMLH-860530KA		97.3	644.0	119-42-37		-79.75	SHORT
KSRN	KINGS BEACH		299C3	0.230	39-18-48	142.3	0.04	14
LIC	CA BLH-981015KD		107.7	874.0	119-52-59		-13.96	SHORT

===== END OF FM SPACING STUDY FOR CHANNEL 245 =====

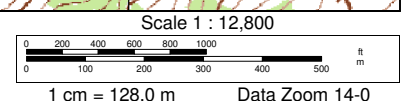




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Incline Village, NV Channel 245D
RF Exposure Study

Facilities Proposed

The proposed operation will be on Channel 245D (96.9 MHz) with a maximum lobe effective radiated power of 99 watts. Operation is proposed with an antenna to be mounted on an existing structure on Slide 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.

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 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.