

MINOR CHANGE APPLICATION
FOUR RIVERS BROADCASTING, INC.
K257CA FM TRANSLATOR STATION
CH 257D - 99.3 MHZ - 0.052 KW
MOUNT SHASTA, CALIFORNIA
June 2003

EXHIBIT B

Interference Evaluation

At the site proposed for Channel 257D at Mount Shasta, California, K257CA has the potential for delivering interference to various co- and adjacent channel stations as identified on Exhibit B1. As demonstrated on Exhibits B2, interference will not be delivered to any full-service commercial facility operating on co- or adjacent channels nor will any interference be delivered to or received from any low power FM facilities or other FM translators in the immediate vicinity.

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EXHIBIT B1

Interference analysis for K257CA Mount Shasta, California
Using proposed site as reference

REFERENCE		CH# 257D - 99.3 MHz, Pwr= 0.052 kW, HAAT=259.8M, COR= 1479.8M								DISPLAY DATES	
41 13 23 N 122 17 53 W		Average Protected F(50-50)= 8.8 km Ave. F(50-10) 40 dBu= 29.3 54 dBu= 12.3 80 dBu= 2.6 100 dBu= .5								DATA 05-30-03 SEARCH 06-03-03	
CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	COR (M) INT (km)	PRO (km) LICENSEE	*IN* (Overlap	*OUT* in km)	
257D Mount Shasta	K257CA	LIC HN CA	12.4 192.4	15.39 BLFT-19850809TR	41 21 30 122 15 30	0.067 850	2027 29.2	8.7 Four Rivers Broadcasting, Inc.	-78.80	-41.57	
257C2 Shasta Lake City	KNNN	LIC NC CA	196.5 16.5	65.88 BLH-20010605AAC	40 39 15 122 31 12	1.6 56	996 27.8	5.6 Regent Licensee Of Redding	4.12	22.60	
254C1 Keno	950206	APP NCX OR	14.6 194.6	100.17 BPED-19950206MH	42 05 43 121 59 31	16 511	1927 0.4	6.5 Fatima Response, Inc.	86.83	31.89	
254C1 Keno	ALLO	VAC OR	16.9 196.9	104.80	42 07 30 121 55 42	100 -1532	0 0.4	5.4	96.23	73.48	
258C1 Klamath Falls	KAGOFM	LIC CN OR	20.4 200.4	117.80 BLH-19930525KB	42 12 56 121 47 56	60 157	1437 7.3	5.2 New Northwest Broadcasters	30.94	55.84	
254C1 Keno	950206	APP CX OR	19.6 199.6	118.05 BPED-19950206MB	42 13 23 121 49 03	52 258	1538 0.3	5.3 Renaissance Community	104.95	55.23	
254C1 Keno	950206	APP CX OR	19.6 199.6	118.05 BPED-19950206MH	42 13 23 121 49 03	52 258	1538 0.3	5.3 Fatima Response, Inc.	104.95	55.23	

Graham Brock, Inc. - Broadcast Technical Consultants

K257CA - Proposed

Latitude: 41-13-23 N
Longitude: 122-17-53 W
ERP: 0.02 kW
Channel: 257D
Frequency: 99.3 MHz
AMSL Height: 14767.6 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: FCC

KNNN

BLH-20010605AAC
Latitude: 40-39-15 N
Longitude: 122-31-12 W
ERP: 1.60 kW
Channel: 257
Frequency: 99.3 MHz
AMSL Height: 996.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: FCC

K257CA INTERFERING CONTOUR

KNNN PROTECTED CONTOUR

EXHIBIT B2

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Scale 1:1,000,000

0 10 20 30 km

