

NORTH POWDER, OR
KEFS
208A
Calvary Chapel of Twin Falls, Inc.
Contour Overlap Requirements / Allocation Study

The allocation tabulation for the proposed station is reported on the following pages. A complete explanation of how to read the printout is shown on the page after that. Summarizing the explanation, each pair of lines represents an existing or proposed full service station. Entries which have a negative number in the columns marked **IN** or **OUT** could cause interference with the proposed station. At the bottom of the report the distance to the nearest TV-6 station is reported. For clarity, the groups are discussed in the order they first appear on the tabulation.

Noncommercial Educational Stations and Applications

All the stations and applications, in the **IN** and **OUT** entries, listed on the V-Soft FM Contour page, are clear of prohibited contour overlap on the straight line connecting them to the proposed station. Maps are provided for each entry where the straight line clearance was less than 20 km to certify the clearance extends to all azimuths. The first line of the printout, after the entries of KEFS, is KANC Baker, OR. No more study is necessary since this is a reduction in authorized ERP granted on the underlying permit # BPED-20070131AJQ.

Class Contour Distance

The maximum proposed ERP is .165kW, the 8 radial HAAT is 544.8 meters and the class contour distance in kilometers is 27.6km, which after rounding is 28 km. According to §73.211(b)(1), this proposal is a Class A class filing.

IF (53 or 54 channel spacing) relationships

No IF is found in the study. No further study is necessary.

TV channel 6

KIVI Nampa, a 56kW TV6 station with a CORAMSL of 2240m and 857 HAAT, is located 135.18km from the proposed site. There is no prohibited contour overlap as shown in EX 19.

Calvary Chapel Of Twin Falls, alls, Inc.
 KEFS North Powder, OR

REFERENCE
 45 07 26.0 N.
 117 46 48.0 W.

CH# 208A - 89.5 MHz, Pwr= 0.165 kW, HAAT= 544.8 M, COR= 1738 M
 Average Protected F(50-50)= 27.6 km

DISPLAY DATES
 DATA 05-12-09
 SEARCH 05-27-09

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
208A North Powder	KEFS	LIC _CX OR		0.0 0.0	0.00 BLED20060927ALW	45 07 26.0 117 46 48.0	0.120 545	84.5 1738	27.8 Calvary Chapel Of Twin Fal	-114.51*	-116.63*
208C3 North Powder	KEFS	CP _CX OR		0.0 0.0	0.00 BPED20070131AJQ	45 07 26.0 117 46 48.0	0.515 545	106.0 1738	39.8 Calvary Chapel Of Twin Fal	-136.05*	-128.69*
210A Baker	KANC	CP DCX OR		191.4 11.3	40.56 BNPED20071015DMK	44 45 58.0 117 52 54.0	0.250 201	1.1 1461	26.6 American Family Associatio	9.78	13.10
205C3 Baker City	KOBK	LIC _CX OR		180.2 0.2	58.31 BLED20070720ABS	44 35 57.0 117 46 58.0	0.600 559	1.7 1962	43.9 Oregon Public Broadcasting	26.43	13.52
208C1 Caldwell	KTSY	LIC _CN ID		138.1 319.3	202.67 BLED19920831KA	43 45 18.0 116 05 52.0	8.300 791	164.2 2174	76.4 Gem State Adventist Academ	16.63	58.83
209C2 Wallula Wallula	KWWS	LIC _CN WA		342.6 162.3	100.35 BLED19970609KE	45 59 04.0 118 10 08.0	3.200 410	29.8 1206	20.3 Washington State Universi t	37.44	29.01

Terrain database is USGS 03 SEC Distance + R = FCC Required Spacings in KM, Distance + M = Margin in KM
 ERP and HAAT are on direct line to and from reference station.
 Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beam tilt(Y,N,X)
 "*" affixed to 'IN' or 'OUT' values = site inside protected contour.