

**Channel Study**

REFERENCE CH# 243D - 96.5 MHz, Pwr= 0.099 kW DA, HAAT= 804.7 M, COR= 2182 M DISPLAY DATES  
 43 45 18.0 N. Average Protected F(50-50)= 29.9 km DATA 08-11-11  
 116 05 52.0 W. Standard Directional SEARCH 08-12-11

CH CITY	CALL	TYPE	ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
241C Ontario	KSRV-FM	LIC	ZC OR	90.0	0.0 BLH20061130AAV	43 45 18.0 116 05 51.0	49.000 815	12.5 2203	95.9 Fm Idaho Co., Llc	-14.6*<	-95.9*<
245C Nampa	KKGL	LIC	CY ID	334.2	0.1 BLH20010831AAF	43 45 21.0 116 05 54.0	48.000 828	11.9 2215	91.4 Radio License Holding Cbc,	-13.8*<	-91.3*<
243C1 Twin Falls	KLIX-FM	LIC	CX ID	135.7	185.5 BMLH20060905ACF	42 33 05.0 114 30 59.0	100.000 40	151.1 1206	55.4 Townsquare Media Twin Fall	32.3	114.4

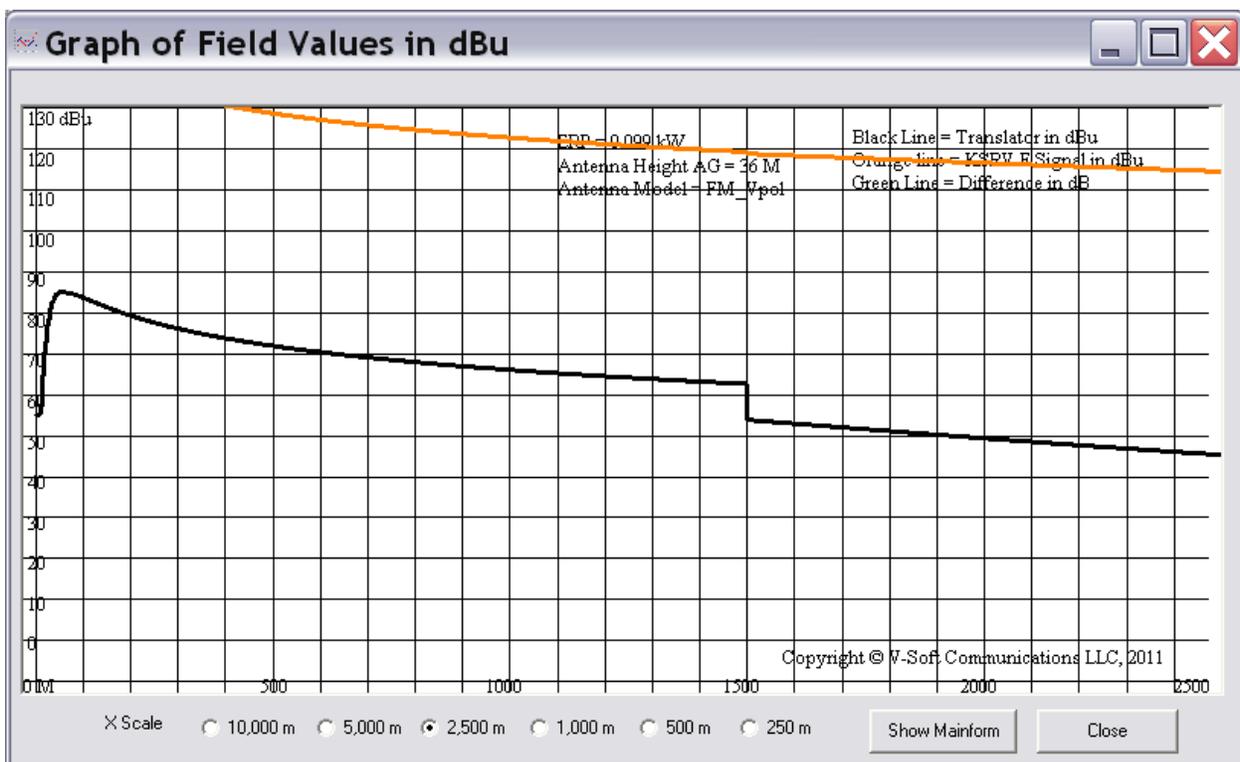
Terrain database is NGDC 30 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM  
 Contour distances are on direct line to and from reference station. Reference Zone = 2, Co to 3rd adjacent.  
 Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E),Beamtilt(Y,N,X)  
 "\*"affixed to 'IN' or 'OUT' values = site inside protected contour.  
 < = Contour Overlap

### Compliance with C.F.R. 74.1204

The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station KSRV-FM (channel 241C) Ontario, Oregon. According to 74.1204(a)(3), in order to protect second adjacent facilities, the difference in dB between the two facilities must not exceed 40dB.

EMF has investigated the proposed K260AI facility using V-Soft Communication's X-Field program. This program calculates the incoming signal of the station to be protected, and then calculates the interfering contour of the proposed facility based on the proposed ERP, antenna height above ground, and the actual characteristics of the antenna being used (e.g. vertical plane, directionality, number of bays). In this case K260AI's proposed facility has an ERP of 99 watts, height AG of 36m, and is using a CLFM, 1 bay antenna.

The black line on the graph below shows the translators interfering contour in dBu and the KSRV-FM protected contour in dBu is shown by an orange line. The difference between the two would show as a green line on the graph but in this case, the difference is so low that the green line is absent. Since the interfering contour of the proposed facility does not exceed the required 40dB difference (would show as red line on graph), the proposed facility does not cause interference at any point.



### Compliance with C.F.R. 74.1204

The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station KKGL (channel 245C) Nampa, Idaho. According to 74.1204(a)(3), in order to protect second adjacent facilities, the difference in dB between the two facilities must not exceed 40dB.

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