

# Educational Media Foundation

5700 West Oaks Boulevard ♦ Rocklin ♦ California ♦ 95765

Exhibit 16

Sheridan, WY

## Channel Study

REFERENCE		CH# 210A - 89.9 MHz, Pwr= 0.15 kW, HAAT= -41.5 M, COR= 1183 M							DISPLAY DATES		
44 47 54.0 N.		Average Protected F(50-50)= 6.2 km							DATA	01-13-09	
106 55 51.0 W.		Omni-directional							SEARCH	01-23-09	
CH	CALL	TYPE	ANT	AZI.	DIST	LAT.	Pwr(kW)	INT(km)	PRO(km)	*IN*	*OUT*
CITY		STATE		<--	FILE #	LNG.	HAAT(M)	COR(M)	LICENSEE	(Overlap	in km)
210A	KVLZ	APP	CX	175.1	3.1	44 46 15.0	0.500	47.8	13.7	-51.0*	-31.4*
Sheridan		WY		355.1	BMPED20081103ADQ	106 55 39.0	1	1246	Educational Media Foundati		
210A	KVLZ	CP	CX	0.0	0.0	44 47 54.0	0.500	40.5	11.7	-46.8*	-32.5*
Sheridan		WY		0.0	BPED19980810MD	106 55 51.0	-5	1218	Educational Media Foundati		
*207C3	KWCF	CP	CX	179.5	21.7	44 36 10.0	0.850	2.0	44.0	13.5	-23.1*
Sheridan		WY		359.5	BMPED20080508ACA	106 55 42.0	292	1920	Calvary Chapel Of Twin Fal		
*207C3	KWCF	LIC	DCX	179.5	21.7	44 36 10.0	1.000	0.4	19.8	15.1	1.0
Sheridan		WY		359.5	BLED20051212ACJ	106 55 42.0	293	1920	Calvary Chapel Of Twin Fal		
213A	1210181	APP	CX	215.0	23.8	44 37 22.1	0.012	0.2	16.7	17.3	6.3
Big Horn		WY		34.9	BNPED20071017AEW	107 06 12.8	190	2152	University Of Wyoming		
210C2	NEW	CP	CX	1.0	115.6	45 50 17.0	3.500	100.6	39.4	8.7	55.3
Colstrip		MT		181.0	BNPED20071019ANQ	106 54 16.0	369	1487	Montana State University -		
213A	KBUW	LIC	C	161.8	52.8	44 20 50.0	0.430	1.5	11.0	45.1	40.9
Buffalo		WY		342.0	BLED19991117ABW	106 43 25.0	-60	1530	University Of Wyoming		
06Z2C	KSVI	LI	HN	316.0	157.5	45 48 26.0	100.000	4.1	93.9	196.0R	59.5M
Billings		MT		135.0	BLCT19930119KE	108 20 25.0	249	1287	Nexstar Broadcasting, Inc.		
06ZT	K06JM	LI	D N	121.1	115.3	44 15 24.0	3.000	4.0	5.4	196.0R	105.9M
Gillette		WY		302.0	BLTVA20031223ACO	105 41 40.0	150	1525	Duhamel Broadcasting Enter		

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.

\* Note – KWCF (FIN 90842) has requested, and received, a waiver to receive interference from third adjacent KVLZ. Therefore, the interference caused to KWCF by this modification has not been considered.

Exhibit 16-A

FMCommander Single Allocation Study - 02-05-2009 - NGDC 30 SEC  
KVLZ.P's Overlaps (In= 17.35 km, Out= 6.32 km)

KVLZ.P CH 210 A

Lat= 44 47 54.0, Lng= 106 55 51.0  
0.15 kW -41.5 M HAAT, 1183 M COR  
Prot.= 60 dBu, Intef.= 100 dBu

1210181 CH 213 A BNPED20071017AEW

Lat= 44 37 22.1, Lng= 107 06 12.8  
0.012 kW 189.8 M HAAT, 2152 M COR  
Prot.= 60 dBu, Intef.= 100 dBu

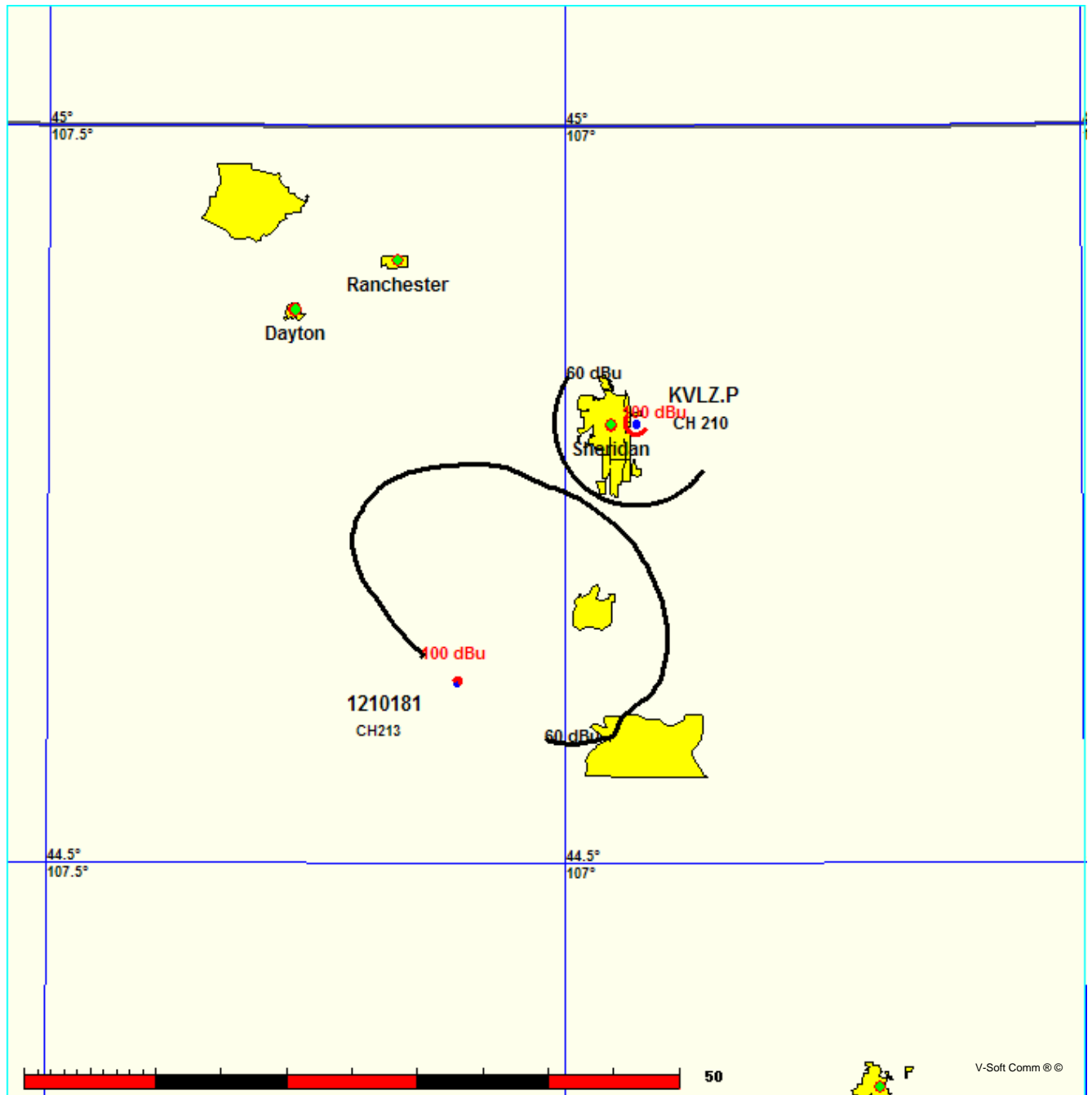


Exhibit 16-B

FMCommander Single Allocation Study - 02-05-2009 - NGDC 30 SEC  
KVLZ.P's Overlaps (In= 8.71 km, Out= 55.35 km)

KVLZ.P CH 210 A

Lat= 44 47 54.0, Lng= 106 55 51.0  
0.15 kW -41.5 M HAAT, 1183 M COR  
Prot.= 60 dBu, Intef.= 40 dBu

NEW-C CH 210 C2 BNPED20071019ANQ

Lat= 45 50 17.0, Lng= 106 54 16.0  
3.5 kW 369 M HAAT, 1487 M COR  
Prot.= 60 dBu, Intef.= 40 dBu

