

Educational Media Foundation

5700 West Oaks Boulevard ♦ Rocklin ♦ California ♦ 95765

Exhibit 20

Hotchkiss, CO

Channel Study

REFERENCE		CH# 245A - 96.9 MHz, Pwr= 6 kW, HAAT= 54.1 M, COR= 1788 M								DISPLAY DATES	
38 49 04.0 N.		Average Protected F(50-50)= 21.4 km								DATA 04-22-16	
107 56 20.0 W.		Omni-directional								SEARCH 04-22-16	
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)
245C0	KDAG«	LIC	CX	178.9	222.38	36 48 52.0	100.000	170.0	70.7	215.0R	7.4M
Farmington			NM	359.0	BLH20060309AED	107 53 32.0	303	2129	Capstar Tx, Llc		
244A	KUUR«	LIC	NCX	36.1	82.93	39 25 08.0	0.090	30.4	20.2	72.0R	10.9M
Carbondale			CO	216.5	BLH20050920ADE	107 22 10.0	764	3218	Colorado Radio Marketing,		
246A	KAYV«	LIC	CX	83.3	84.38	38 54 10.0	0.300	10.6	7.4	72.0R	12.4M
Crested Butte			CO	263.9	BLH20111205AGJ	106 58 22.0	-211	2967	Arkansas Valley Broadcasti		
298C1	KSYF«	LIC	NCX	154.2	53.04	38 23 15.0	20.000	168.5	69.3	22.0R	31.0M
Olathe			CO	334.4	BMLE20150623AAI	107 40 26.0	531	2909	Montrose Christian Broadca		
245C2	KBCR-FM«	LIC	H	26.7	205.11	40 27 43.0	27.500	139.0	57.8	166.0R	39.1M
Steamboat Springs			CO	207.4	BMLH20010118ACB	106 50 57.0	203	2542	Blizzard Broadcasting Llc		
246C1	KCYN	LIC	C	255.2	123.26	38 31 37.0	29.000	37.4	23.5	45.7	40.4
Moab			UT	74.3	BLH19981223KB	109 18 21.0	394	2767	Moab Communications, Llc		
245C	KCCY-FM«	LIC	CY	90.8	267.53	38 44 43.0	72.000	123.2	28.8	226.0R	41.5M
Pueblo			CO	272.7	BLH19940217KC	104 51 41.0	695	2946	Capstar Tx, Llc		

Terrain database is FCC 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= - 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 restricted contour.

« = Station meets FCC minimum distance spacing for its class.

Exhibit 20-A

FMCommander Single Allocation Study - 04-28-2016 - FCC NGDC 30 Sec
KYKL.P's Overlaps (In= 45.71 km, Out= 40.43 km)

KYKL.P CH 245 A

Lat= 38 49 04.0, Lng= 107 56 20.0

6.0 kW 54.1 m HAAT, 1788 m COR

Prot.= 60 dBu, Intef.= 54 dBu

KCYN CH 246 C1 BLH19981223KB

Lat= 38 31 37.0, Lng= 109 18 21.0

29.0 kW 394 m HAAT, 2767 m COR

Prot.= 60 dBu, Intef.= 54 dBu

