

# Educational Media Foundation

5700 West Oaks Boulevard ♦ Rocklin ♦ California ♦ 95765

Exhibit 13

Somerset, KY

## Channel Study

REFERENCE		CH# 256D - 99.1 MHz, Pwr= 0.055 kW, HAAT= 27.2 M, COR= 327 M								DISPLAY DATES	
37 06 10.0 N.		Average Protected F(50-50)= 4.8 km								DATA 03-27-13	
84 35 45.0 W.		Omni-directional								SEARCH 03-27-13	
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*
255D Somerset	W255AO	LIC	C KY	0.0 0.0	0.00 BLFT20060228AOJ	37 06 10.0 84 35 45.0	0.021 28	5.4 327	3.8 Educational Media Foundati	-10.2*	-10.6*
256A Edmonton	WHSX	LIC	CN KY	264.5 84.0	85.63 BLH19960508KB	37 01 33.0 85 33 14.0	6.000 100	84.3 358	26.4 Hart County Communications	-4.2	41.1
256D North Corbin	W256BM	LIC	C KY	101.9 282.2	45.13 BLFT20090914ABS	37 01 06.0 84 05 58.0	0.250 63	38.4 418	11.3 Lincoln Garrard Broadcasti	1.9	18.4
258C2 Corbin	WKDP-FM	LIC	CN KY	106.6 287.0	57.39 BLH19891226KE	36 57 14.0 83 58 41.0	25.000 216	5.7 569	51.8 Eubanks Broadcasting, Inc.	46.8	5.1
254C3 Liberty	WKDO-FM	LIC	CN KY	308.6 128.4	36.37 BLH19930111KD	37 18 22.0 84 55 02.0	25.000 73	2.8 379	27.8 Beverly Ann Wesley, Admini	28.7	8.1
256A Keene	WJMM-FM	LIC	CX KY	5.1 185.2	107.28 BLH20100927ADS	38 03 56.0 84 29 13.0	2.100 170	81.9 460	28.4 Christian Broadcasting Sys	20.5	63.4
255A Byrdstown	WVLV	CP	NCX TN	211.0 30.8	80.09 BNPH20120420AAP	36 29 03.0 85 03 29.0	0.500 202	31.4 548	21.1 Valleydale Broadcasting, L	42.7	50.3
256A Friendsville	WNML-FM	LIC	NCX TN	161.5 341.8	162.70 BLH20121226AAZ	35 42 42.0 84 01 21.0	6.000 93	91.8 413	32.1 Radio License Holding Cbc,	64.9	110.6
256A Jonesville	WJNV	LIC	NC VA	109.0 289.8	134.61 BLH20000703ADH	36 42 05.0 83 10 14.0	4.000 123	62.7 637	15.4 Regina Kay Moore	67.1	103.7

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= East Zone, Co to 3rd adjacent.  
All separation margins (if shown) include rounding  
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.

Exhibit 13-A

FMCommander Single Allocation Study - 03-28-2013 - NGDC 30 SEC  
W255AO.P's Overlaps (In= -4.18 km, Out= 41.12 km)

W255AO.P CH 256 D  
Lat= 37 06 10.0, Lng= 84 35 45.0  
0.055 kW 27.2 M HAAT, 327 M COR  
Prot.= 60 dBu, Intef.= 40 dBu

WHSX CH 256 A BLH19960508KB  
Lat= 37 01 33.0, Lng= 85 33 14.0  
6.0 kW 100 M HAAT, 358 M COR  
Prot.= 60 dBu, Intef.= 40 dBu

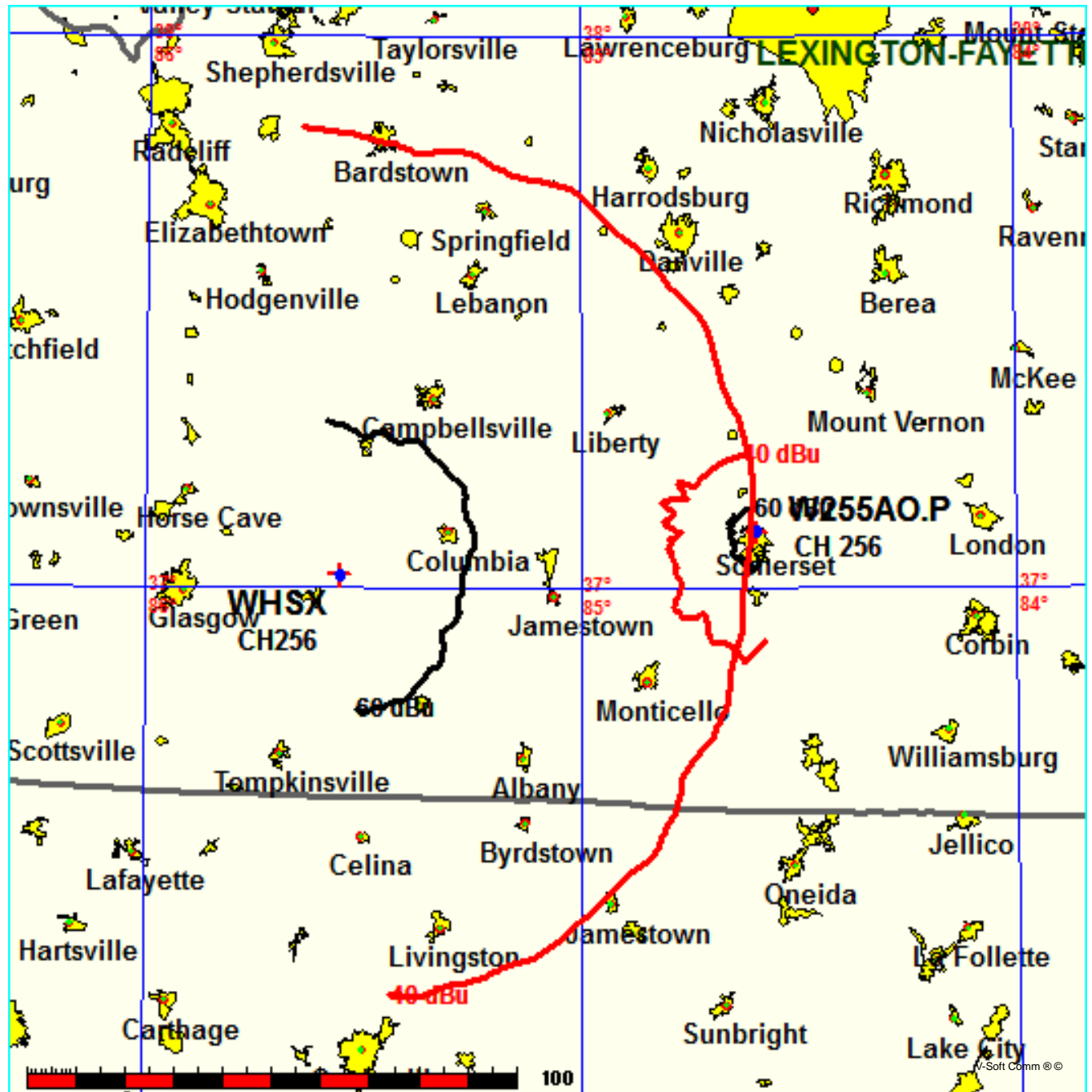


Exhibit 13-B

FMCommander Single Allocation Study - 03-28-2013 - NGDC 30 SEC  
W255AO.P's Overlaps (In= 1.89 km, Out= 18.39 km)

W255AO.P CH 256 D  
Lat= 37 06 10.0, Lng= 84 35 45.0  
0.055 kW 27.2 M HAAT, 327 M COR  
Prot.= 60 dBu, Intef.= 40 dBu

W256BM CH 256 D BLFT20090914ABS  
Lat= 37 01 06.0, Lng= 84 05 58.0  
0.25 kW 63.4 M HAAT, 418 M COR  
Prot.= 60 dBu, Intef.= 40 dBu

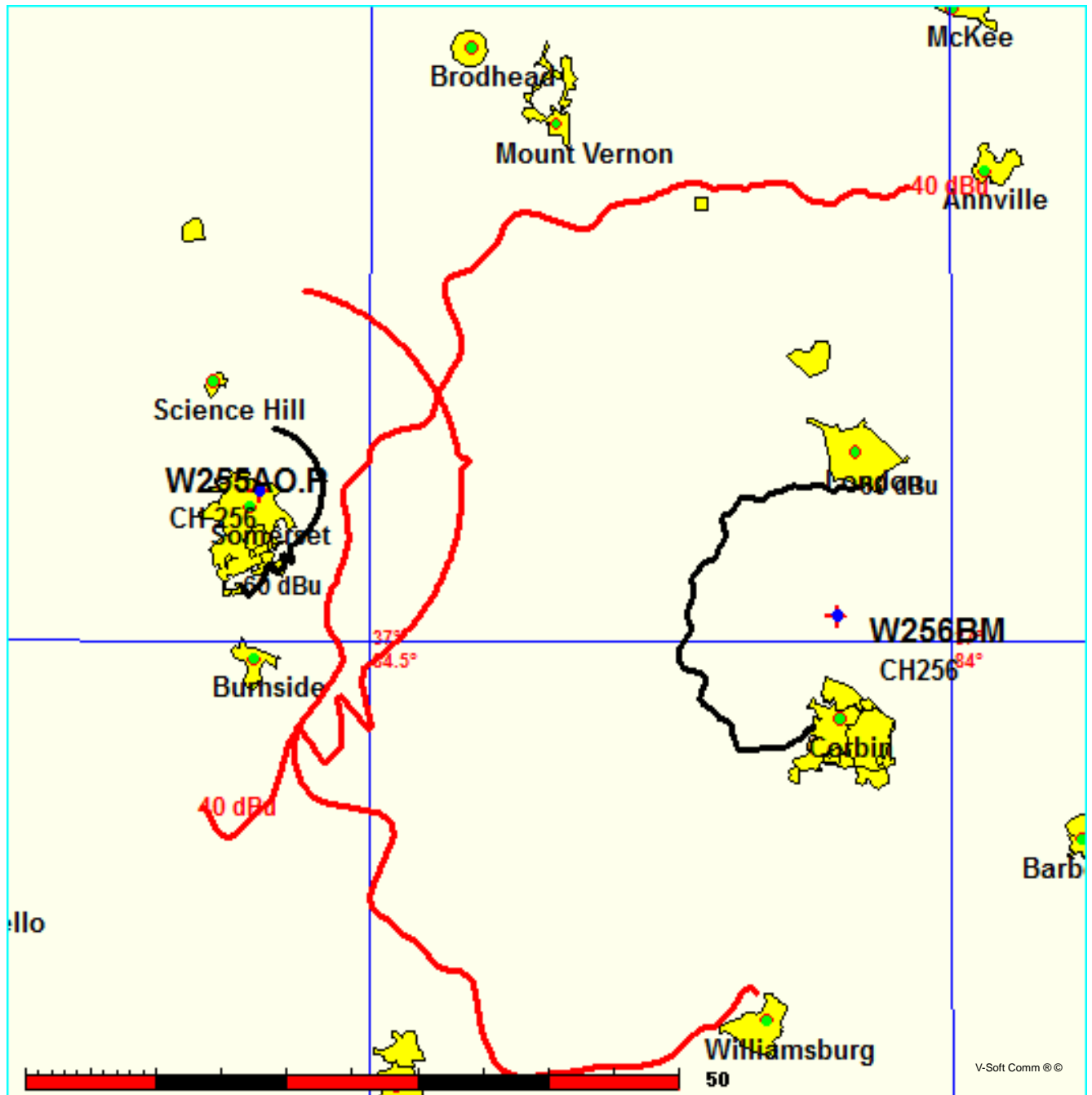


Exhibit 13-C

FMCommander Single Allocation Study - 03-28-2013 - NGDC 30 SEC  
W255AO.P's Overlaps (In= 46.82 km, Out= 5.09 km)

W255AO.P CH 256 D  
Lat= 37 06 10.0, Lng= 84 35 45.0  
0.055 kW 27.2 M HAAT, 327 M COR  
Prot.= 60 dBu, Intef.= 100 dBu

WKDP-FM CH 258 C2 BLH19891226KE  
Lat= 36 57 14.0, Lng= 83 58 41.0  
25.0 kW 216 M HAAT, 569 M COR  
Prot.= 60 dBu, Intef.= 100 dBu

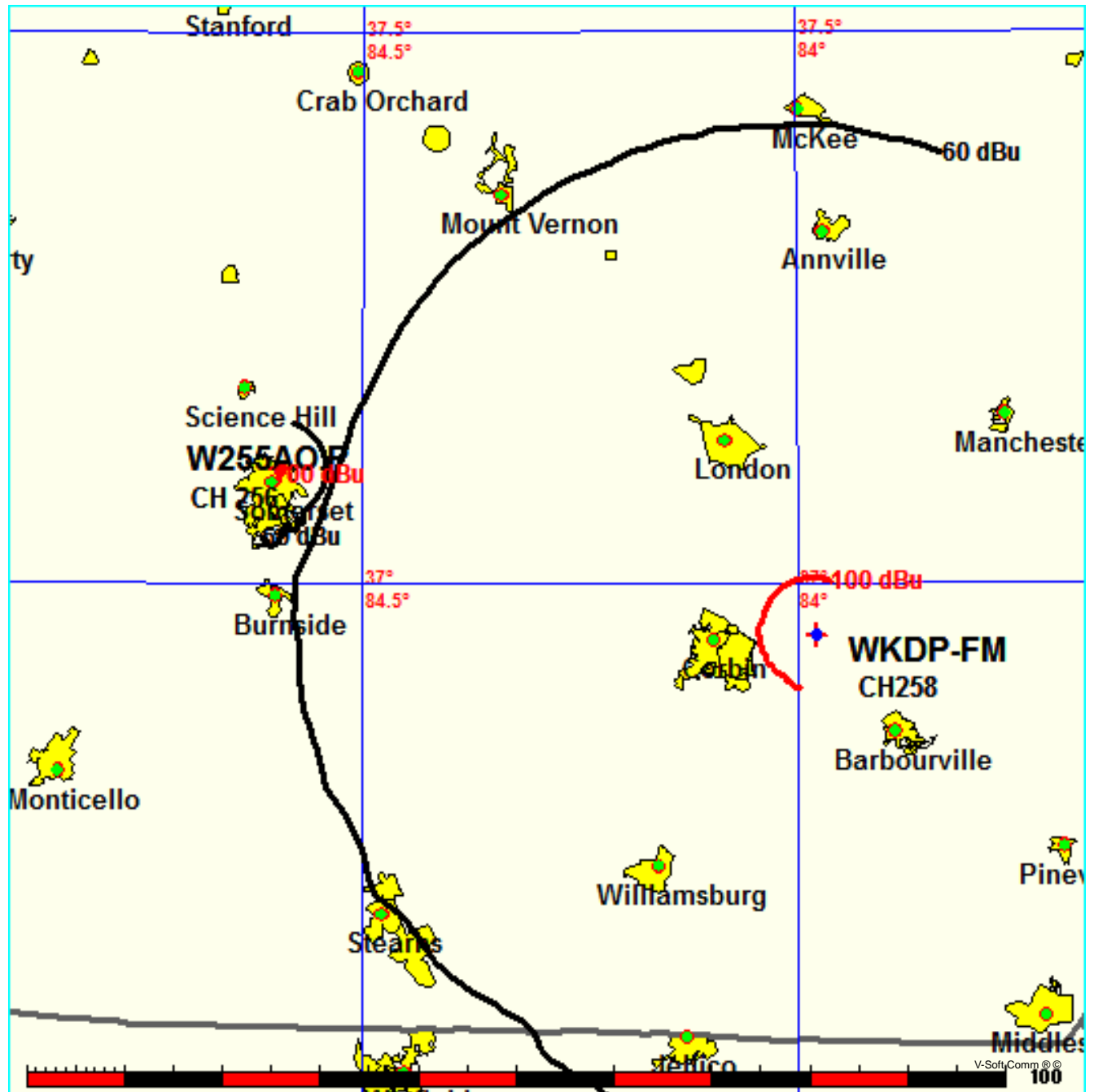


Exhibit 13-D

FMCommander Single Allocation Study - 03-28-2013 - NGDC 30 SEC  
W255AO.P's Overlaps (In= 28.71 km, Out= 8.1 km)

W255AO.P CH 256 D  
Lat= 37 06 10.0, Lng= 84 35 45.0  
0.055 kW 27.2 M HAAT, 327 M COR  
Prot.= 60 dBu, Intef.= 100 dBu

WKDO-FM CH 254 C3 BLH19930111KD  
Lat= 37 18 22.0, Lng= 84 55 02.0  
25.0 kW 73 M HAAT, 379 M COR  
Prot.= 60 dBu, Intef.= 100 dBu

