

Channel Study

REFERENCE		CH# 285D - 104.9 MHz, Pwr= 0.017 kW, HAAT= 116.2 M, COR= 480 M								DISPLAY DATES	
37 06 39.0 N.		Average Protected F(50-50)= 7.2 km								DATA 07-12-12	
84 02 47.0 W.		Omni-directional								SEARCH 07-12-12	
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*
285D London	W285DT	LIC	C KY	0.0 0.0	0.00 BLFT20070529ABB	37 06 39.0 84 02 47.0	0.013 116	23.4 480	7.0 Educational Media Foundati	-30.9*	-32.0*
285A Stanton	WSKV-FM	LIC	CX KY	13.8 194.0	74.57 BMLH20090309ABT	37 45 43.0 83 50 36.0	0.720 207	79.1 507	26.8 Moore Country 104, Llc	-11.2*	21.2
285D Mount Vernon	W283AI	LIC	C KY	315.8 135.7	31.81 BLFT20070221AAN	37 18 56.7 84 17 49.9	0.019 99	24.3 445	7.2 Joshua Kesler	0.3	0.7
285A La Follette	WTNQ	LIC	CN TN	182.6 2.6	84.42 BMLH19900102KC	36 21 08.0 84 05 20.0	2.300 152	76.8 572	24.9 Lafollette Broadcasters, I	0.3	33.5
282C3 Williamsburg	WEZJ-FM	LIC	ZCX KY	197.5 17.4	42.59 BLH20040212ADG	36 44 43.0 84 11 24.0	6.200 200	3.8 556	40.3 Whitley Broadcasting Co.,	31.2	1.8
287D Corbin	631133	APP	C KY	193.1 13.1	18.70 BNPFT20030313BBN	36 56 49.0 84 05 39.0	0.027 55	0.4 410	5.7 Educational Media Foundati	10.8	12.6
283D Manchester	W283AH	APP	C KY	86.1 266.3	25.21 BFPT20120322ADX	37 07 33.2 83 45 45.3	0.250	1.1 460	12.5 Barker Broadcasting, Inc	17.1	11.9
285A Jamestown	WJRS	LIC	CN KY	264.3 83.7	91.57 BLH7806	37 01 31.0 85 04 23.0	2.000 110	70.7 387	22.5 Lake Cumberland Broadcaste	13.0	42.1
283D Manchester	W283AH	LIC	C KY	80.5 260.7	26.43 BLFT20070221AAO	37 08 58.3 83 45 07.6	0.010 202	0.2 550	8.1 Barker Broadcasting, Inc	19.3	17.7
286A Harlan	WTUK	LIC	NC KY	109.0 289.5	70.17 BLH20010724AAJ	36 54 09.0 83 18 01.0	0.530 316	43.4 883	28.2 Eastern Broadcasting Compa	19.9	30.2
284A Hazard	WJMD	LIC	CN KY	82.9 263.4	76.92 BLH20100129AAQ	37 11 36.0 83 11 04.0	0.480 346	44.8 747	29.3 Hazard Broadcasting Servic	25.3	37.8
284D Morrill	651272	APP	C KY	340.7 160.6	46.17 BNPFT20030317MNO	37 30 10.0 84 13 09.0	0.010 144	8.6 505	6.1 Jared A. Nix	30.3	29.2
286A Lancaster	WRNZ	LIC	CN KY	319.6 139.3	71.78 BMLH20020215AAG	37 36 06.0 84 34 27.0	3.000 100	31.7 379	21.3 Hometown Broadcasting Of L	32.9	38.9
282D Morrill	651188	APP	C KY	340.7 160.6	46.17 BNPFT20030317MOI	37 30 10.0 84 13 09.0	0.010 144	0.2 505	6.1 Jared A. Nix	38.6	39.2
288A Oneida	WBNT-FM	LIC	HN TN	210.3 30.1	78.47 BLH2872	36 30 03.0 84 29 24.0	3.000 87	2.5 552	27.6 Oneida Broadcasters, Incor	68.2	49.3

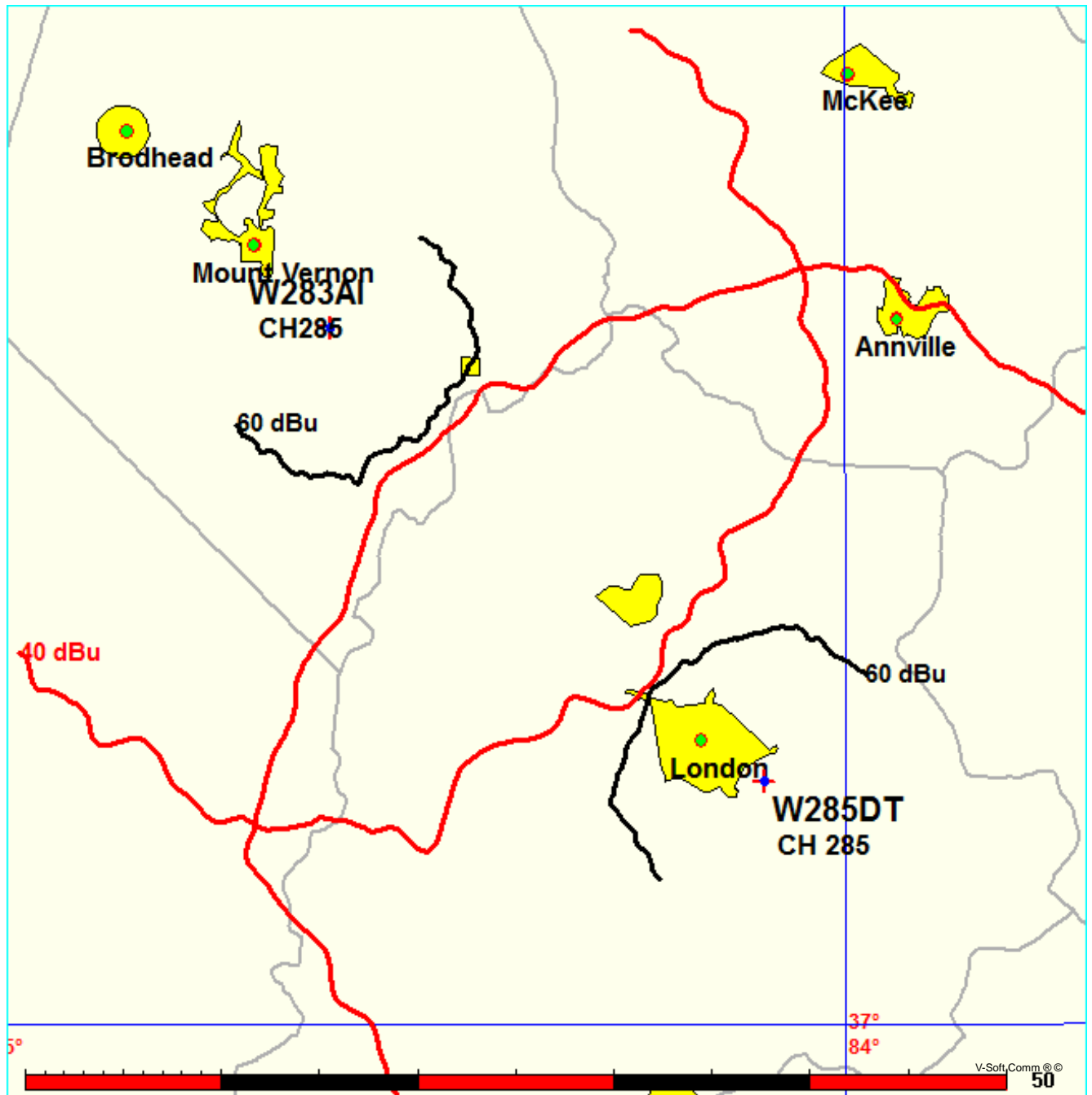
Terrain database is NGDC 30 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM
 In & Out distances between contours are shown at closest points. Reference Zone=East Zone, Co to 3rd adjacent.
 All separation margins (if shown) include rounding
 Ant Column: (D= DA Standard, 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
Educational Media Foundation

FMCommander Single Allocation Study - 07-12-2012 - NGDC 30 SEC
W285DT's Overlaps (In= 0.26 km, Out= 0.67 km)

W285DT CH 285 D
Lat= 37 06 39.0, Lng= 84 02 47.0
0.017 kW 116.2 M HAAT, 480 M COR
Prot.= 60 dBu, Intef.= 40 dBu

W283AI CH 285 D BLFT20070221AAN
Lat= 37 18 56.7, Lng= 84 17 49.9
0.019 kW 99.2 M HAAT, 445 M COR
Prot.= 60 dBu, Intef.= 40 dBu



K285DT and W283AI

07-12-2012 Terrain Data: NGDC 30 SEC FMOver Analysis

W283AI BLFT20070221AAN

W285DT

Channel = 285D
Max ERP = 0.019 kW
RCAMSL = 445 M
N. Lat. 37 18 56.7
W. Lng. 84 17 49.9
Protected
60 dBu

Channel = 285D
Max ERP = 0.017 kW
RCAMSL = 480 M
N. Lat. 37 06 39.0
W. Lng. 84 02 47.0
Interfering
40 dBu

Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Actual (dBu)	I X (km)
116.0	000.0190	0102.7	006.9	321.0	000.0170	0115.9	025.4	38.95	
117.0	000.0190	0100.2	006.8	320.7	000.0170	0115.5	025.4	38.90	
118.0	000.0190	0099.2	006.8	320.4	000.0170	0115.2	025.4	38.89	
119.0	000.0190	0100.5	006.9	320.2	000.0170	0114.9	025.3	38.93	

Exhibit 13 - B
Educational Media Foundation

FMCommander Single Allocation Study - 07-12-2012 - NGDC 30 SEC
W285DT's Overlaps (In= 31.2 km, Out= 1.84 km)

W285DT CH 285 D

Lat= 37 06 39.0, Lng= 84 02 47.0
0.017 kW 116.2 M HAAT, 480 M COR
Prot.= 60 dBu, Intef.= 100 dBu

WEZJ-FM CH 282 C3 73.215 Z BLH20040212ADG

Lat= 36 44 43.0, Lng= 84 11 24.0
6.2 kW 200 M HAAT, 556 M COR
Prot.= 60 dBu, Intef.= 100 dBu

