

Channel Study

REFERENCE		CH# 281C0- 104.1 MHz, Pwr= 100 kW DA, HAAT= 450.2 M, COR= 676 M								DISPLAY DATES	
38 41 00.0 N.		Average Protected F(50-50)= 83.4 km								DATA 09-21-17	
83 00 46.0 W.		73.215 Directional								SEARCH 09-22-17	
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*
281C0 New Boston	WPAY-FM!	LIC	ZCX OH	0.0 0.0	0.00 BLED20110609AAI	38 41 00.0 83 00 46.0	100.000 450	160.9 676	71.3 Educational Media Foundati	-232.2	-232.2
281D Lancaster	W283BO!	APP	C OH	19.1 199.4	120.01 BPFT20170718ACZ	39 42 13.0 82 33 13.0	0.250	34.4 353	10.2 Wloh Radio Company	18.9	-44.9*<
283L1 Huntington	WASP-LP	LIC	 WV	128.1 308.4	55.07 BLL20160114ACB	38 22 38.0 82 30 56.8	0.005 119	326	Spring Valley High School	-29.2*<	36.8
280A Vienna	WNRJ	LIC	ZCX WV	60.3 241.2	150.25 BML20170404AAD	39 20 35.0 81 29 53.0	5.300 106	30.6 338	20.7 Fellowship Baptist Church	33.3	0.7
281B Muncie	WLBC-FM% [^]	LIC	CX IN	309.7 128.2	261.59 BMLH20041020AAB	40 09 40.0 85 22 44.0	50.000 150	135.0 448	62.2 Woof Boom Radio Muncie Lic	266.0R	-4.4M
282A Delhi Hills	WNLT	LIC	NCX OH	289.8 108.8	141.91 BLH20120531AGB	39 06 18.0 84 33 25.0	2.000 175	46.7 395	31.0 Vernon R. Baldwin, Inc.	21.1	1.8
280A Beavercreek	WZDA<	LIC	ZCX OH	318.6 137.9	154.83 BMLH20120315ADM	39 43 19.0 84 12 33.0	2.900 146	40.0 413	26.3 Citicasters Licenses, Inc.	152.0R	2.8M
280A Worthington	WJKR	LIC	ZCX OH	356.8 176.7	142.71 BLH20130816ACY	39 58 00.0 83 06 28.0	6.000 99	44.4 350	28.7 North American Broadcastin	26.5	8.1
279D Middleport	W279CE!	LIC	C OH	63.3 243.9	93.97 BMLFT20150910AAA	39 03 30.0 82 02 31.0	0.230 100	1.1 327	13.1 Positive Alternative Radio	6.7	68.4
227D Catlettsburg	W227CI<!	LIC	C KY	123.5 303.7	43.44 BLFT20160325AAA	38 28 03.0 82 35 49.0	0.130	0.0 339	0.0 Edgewater Broadcasting, In	25.0R	18.4M
283L1 Athens	WYWH-LP<	LIC	 OH	47.6 228.1	107.73 BLL20061221ACY	39 19 59.0 82 05 20.0	0.100	211	Hope Radio Of Athens, Inc.	84.0R	23.7M
280A Whitesburg	WXXQ-FM<	LIC	NCX KY	172.1 352.2	176.23 BLH20051102AAL	37 06 38.0 82 44 15.0	0.280 457	49.3 1028	31.6 T.c.w. Broadcasting, Inc.	152.0R	24.2M
282D Elkhorn City	W282BZ!	LIC	DC KY	158.6 339.0	164.00 BLFT20140708ABA	37 18 24.0 82 20 04.0	0.200	19.4 534	13.0 East Kentucky Radio Networ	61.9	28.3
281C3 Campbellsville	WCKQ<	LIC	ZCN KY	234.8 53.4	255.84 BLH19950404KA	37 20 07.0 85 22 33.0	17.000 120	100.6 356	31.3 Tri-county Radio Broadcast	226.0R	29.8M
282A Richwood	WNNP<	LIC	CN OH	351.5 171.3	182.20 BLH19960206KC	40 18 22.0 83 19 45.0	3.400 133	42.4 428	27.8 Franklin Communications, I	152.0R	30.2M
283D Prestonsburg	W283AP!	LIC	C KY	170.7 350.9	114.42 BLFT20070604AAD	37 39 57.0 82 48 12.0	0.250 197	1.1 484	19.6 East Kentucky Broadcasting	31.7	83.0
281A Bridgeport	WETT<	LIC	CX WV	72.9 254.6	245.48 BMLH20070425ABE	39 17 59.0 80 17 30.0	2.450 158	81.7 521	28.0 Withers Broadcasting Compa	215.0R	30.5M
279A Campton	WCBJ<	LIC	CN KY	198.1 17.9	120.54 BLH19990621KE	37 39 03.0 83 26 21.0	4.100 121	2.4 430	25.6 Morgan County Industries,	86.0R	34.5M
283D Cross Lanes	W283AQ!	LIC	DC WV	104.9 285.8	120.01 BLFT20100618APY	38 23 53.0 81 41 06.0	0.250 154	0.0 407	3.0 West Virginia Radio Corpor	34.8	104.6
283D Cross Lanes	W283AQ!	CP	DC WV	104.9 285.8	120.01 BPFT20170718AEJ	38 23 53.0 81 41 06.0	0.250	1.1 407	17.4 West Virginia Radio Corpor	33.7	90.2
283D Lancaster	W283BO!	LIC	C OH	16.9 197.1	122.22 BLFT20151103BBT	39 44 09.0 82 35 51.0	0.250	1.1 385	12.1 Wloh Radio Company	54.4	102.6
282D Dayton	W282CD!	LIC	C OH	322.7 142.0	160.35 BLFT20160613ABK	39 49 32.1 84 08 59.4	0.250	15.1 336	10.7 L & D Broadcasters, Inc.,	70.4	39.5
281L1 Zanesville	WJFZ-LP<	LIC	 OH	30.7 211.3	162.81 BLL20061214AAAY	39 56 21.0 82 02 16.0	0.026 57	317	Zanesville Christian Media	122.0R	40.8M

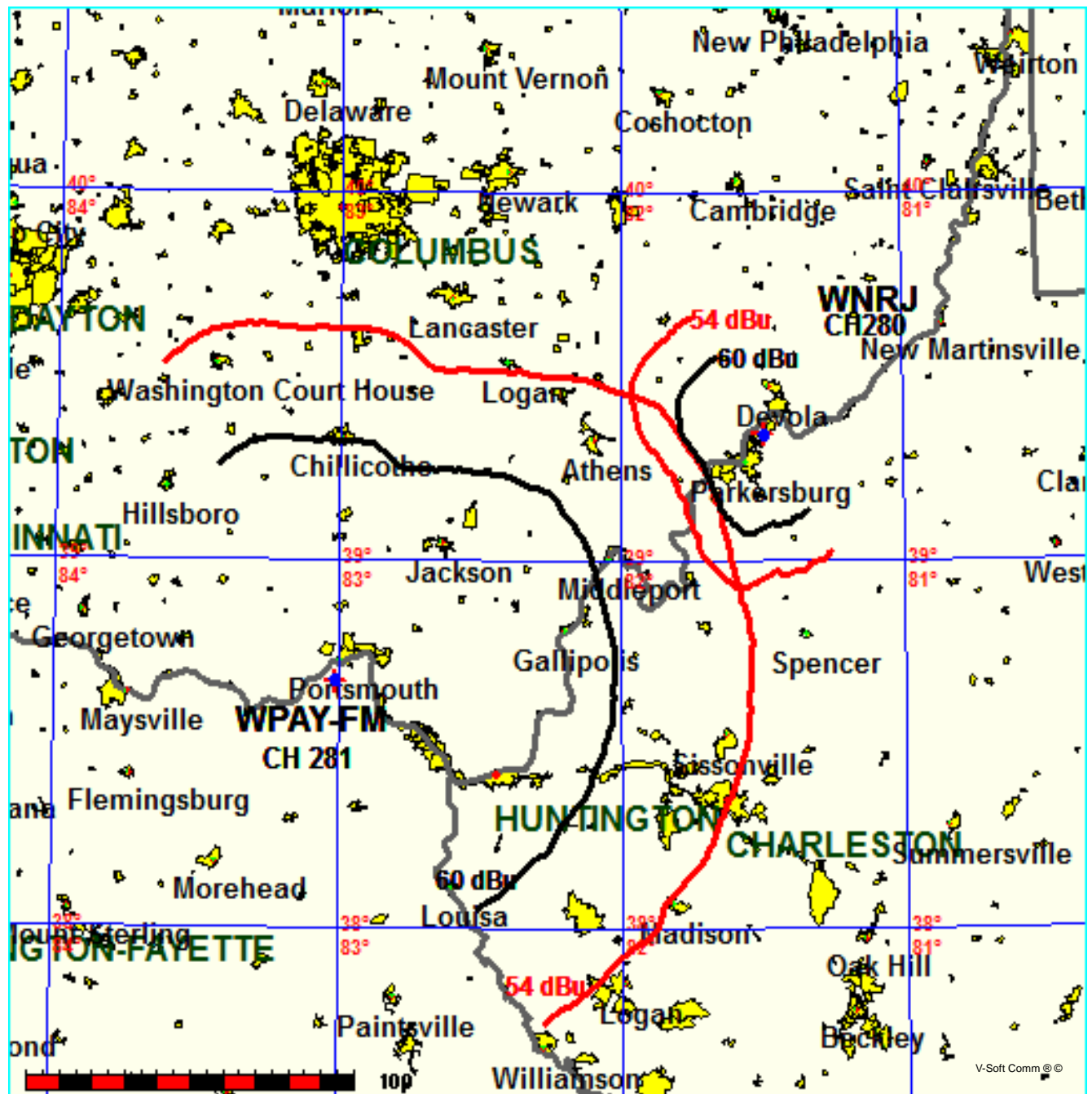
227D W227AX«!	LIC	C	211.5	66.05	38 10 33.0	0.010	0.0	0.0	25.0R	41.1M
Morehead		KY	31.2	BLFT20070518ADN	83 24 28.0	139	434	Edgewater Broadcasting, In		
282L1 WJFY-LP«	LIC		19.6	152.10	39 58 18.0	0.100			111.0R	41.1M
Newark		OH	200.0	BLL20040513ABF	82 24 45.0	30	324	Newark Area Christian Broa		
281B WQAL«	LIC	CX	19.7	314.47	41 20 28.0	12.000	121.1	62.7	272.0R	42.5M
Cleveland		OH	200.6	BLH20050901AAM	81 44 24.0	293	574	Cbs Radio Stations Inc.		
280A WWEL«	LIC	CX	209.0	195.12	37 08 30.0	5.400	46.3	30.2	152.0R	43.1M
London		KY	28.3	BLH20090417AJL	84 04 45.0	106	466	F.t.g. Broadcasting, Inc.		
283C2 WLKT«	LIC	NC	239.3	132.44	38 04 09.0	50.000	6.0	52.3	89.0R	43.4M
Lexington-fayette		KY	58.5	BLH20000217ABS	84 18 44.0	142	430	Citicasters Licenses, Inc.		
281L1 WYDX-LP«	CP		252.8	171.53	38 12 48.0	0.064			122.0R	49.5M
Frankfort		KY	71.6	BNPL20131113BPU	84 53 04.7	38	259	Woods And Waters Land Trus		
280D W280DO!	LIC	C	239.6	145.02	38 00 54.0	0.250	20.9	13.9	39.4	5.1
Lexington		KY	58.7	BLFT20070622ADR	84 26 18.0	128	418	Educational Media Foundati		
280A WRBI«	LIC	CX	287.9	203.50	39 13 25.0	2.650	36.6	24.2	152.0R	51.5M
Batesville		IN	106.5	BLH20151021AHW	85 15 22.0	108	402	Leeson Media, Llc		
278B WGRR«	LIC	ZCN	294.2	142.94	39 12 01.0	11.000	5.4	67.2	89.0R	53.9M
Hamilton		OH	113.3	BLH19940718KB	84 31 22.0	316	536	Radio License Holding Src		
283D W283CL!	LIC	DC	359.7	139.20	39 56 14.0	0.250	0.8	15.2	67.0	116.2
Columbus		OH	179.7	BLFT20161123AAH	83 01 16.0		407	Salem Media Of Ohio, Inc.		
278A WNND«	LIC	ZCX	9.9	142.80	39 57 00.0	4.200	2.9	30.7	86.0R	56.8M
Pickerington		OH	190.1	BLH20061122ADG	82 43 29.0	119	409	Franklin Communications, I		
282L1 WVPV-LP«	LIC		69.2	171.03	39 12 50.0	0.098			111.0R	60.0M
Cairo		WV	250.4	BLL20140210AAB	81 09 38.0		222	Town Of Cairo		
283D W283BL!	LIC	C	42.6	146.00	39 38 36.0	0.045	0.5	4.6	64.2	130.4
Malta		OH	223.4	BLFT20090717AAB	81 51 29.0	39	312	Belpre Educational Broadca		
282L1 WULL-LP«	LIC		94.8	173.04	38 32 08.0	0.090			111.0R	62.0M
Ivydale		WV	276.1	BLL20170126ADQ	81 02 06.0		243	Ivydale Community Action N		
284A WVRC-FM«	LIC	CN	84.7	150.00	38 47 40.0	4.800	2.7	28.6	86.0R	64.0M
Spencer		WV	265.8	BLH19941024KA	81 17 36.0	112	397	Star Communications, Inc.		
281C WTQR«	LIC	NC	136.9	346.61	36 22 36.4	100.000	189.8	85.9	281.0R	65.6M
Winston-salem		NC	318.5	BLH20110809ABB	80 22 08.6	528	850	Clear Channel Broadcasting		
284B WTUE«	LIC	CX	318.6	154.83	39 43 19.0	28.000	5.5	62.6	89.0R	65.8M
Dayton		OH	137.9	BMLH20120315ADK	84 12 33.0	200	467	Citicasters Licenses, Inc.		
278D 1762480!	APP	C	60.4	149.90	39 20 17.0	0.250	1.1	14.8	62.4	122.6
Parkersburg		WV	241.4	BNPFT20170727ADX	81 29 57.0		352	Burbach Of De, Llc		
278D 1763024!	APP	C	84.7	150.00	38 47 40.0	0.125	0.8	11.1	63.2	126.4
Spencer		WV	265.8	BNPFT20170728ACH	81 17 36.0		387	Star Communications, Inc.		

Terrain database is USGS 03 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.
< = Contour Overlap
^ = Power and antenna height 'Max classed' as per Sec 73.215 protection requirements
% = Station Fails minimum 73.215 spacings. 73.215 spacings are used.

FMCommander Single Allocation Study - 09-22-2017 - USGS 03 SEC
WPAY-FM's Overlaps (In= 33.32 km, Out= 0.69 km)

WPAY-FM CH 281 C0 73.215 Z
Lat= 38 41 00.0, Lng= 83 00 46.0
100.0 kW 450.2 m HAAT, 676 m COR
Prot.= 60 dBu, Intef.= 54 dBu

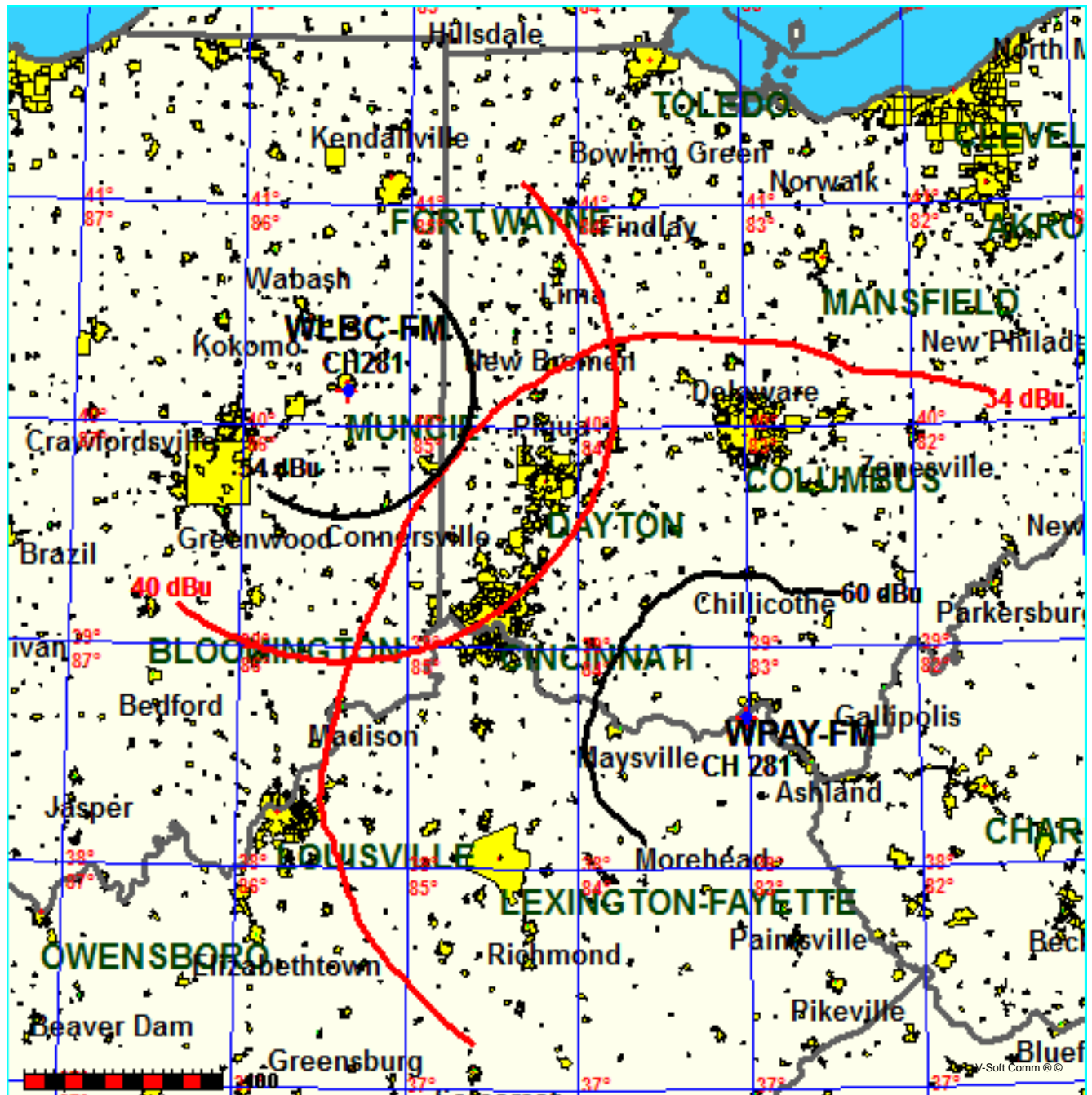
WNRJ CH 280 A 73.215 Z BMLED20170404AAD
Lat= 39 20 35.0, Lng= 81 29 53.0
5.3 kW 106.4 m HAAT, 338.3 m COR
Prot.= 60 dBu, Intef.= 54 dBu



FMCommander Single Allocation Study - 09-22-2017 - USGS 03 SEC
WPAY-FM's Overlaps (In= 54.17 km, Out= 1.19 km)

WPAY-FM CH 281 C0 73.215 Z
Lat= 38 41 00.0, Lng= 83 00 46.0
100.0 kW 450.2 m HAAT, 676 m COR
Prot.= 60 dBu, Intef.= 34 dBu

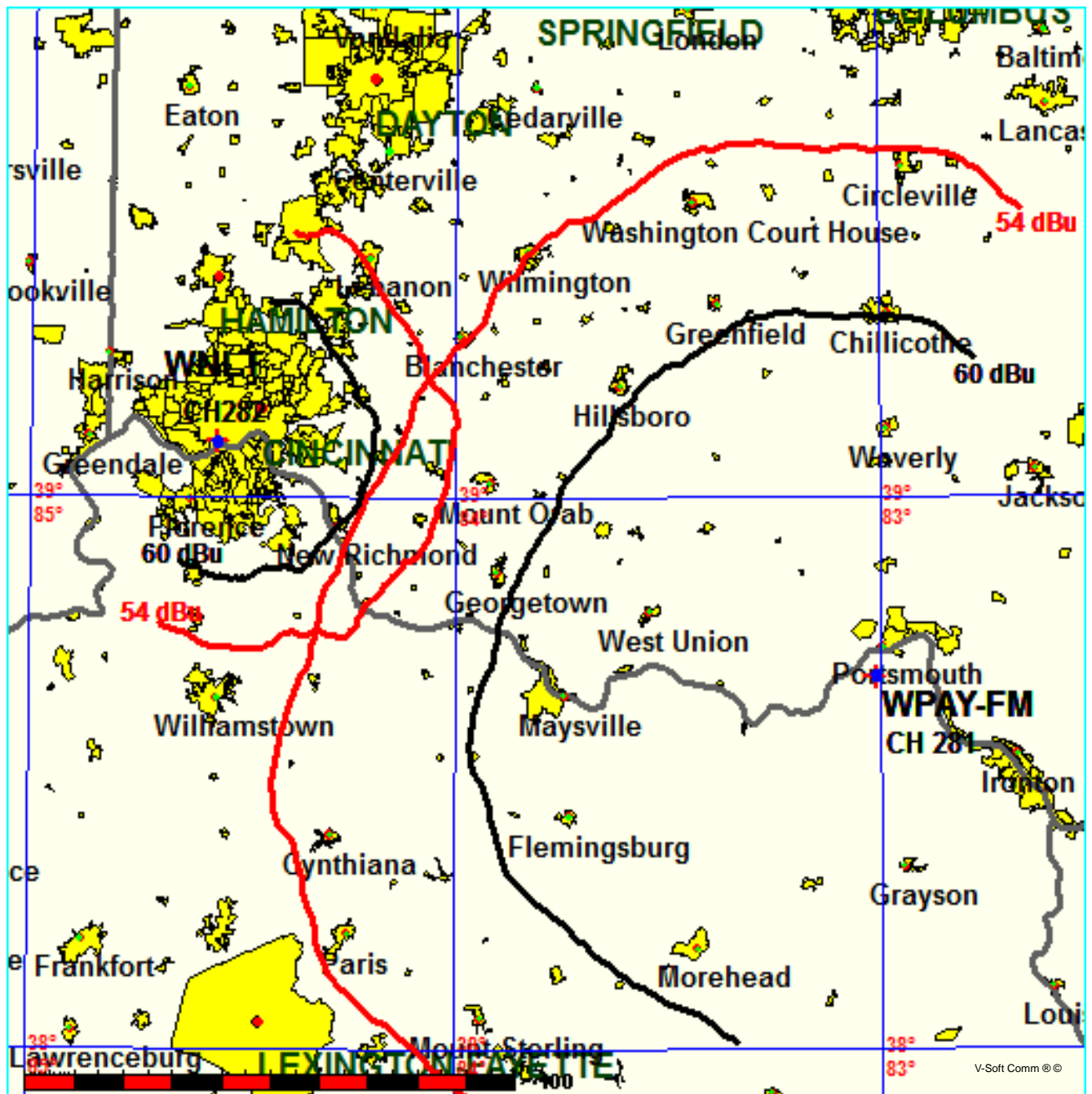
WLBC-FM^ CH 281 B BMLH20041020AAB
Lat= 40 09 40.0, Lng= 85 22 44.0
Max CIs: 50.0 kW 150 m HAAT, 448 m COR
Prot.= 54 dBu, Intef.= 40 dBu



FMCommander Single Allocation Study - 09-22-2017 - USGS 03 SEC
WPAY-FM's Overlaps (In= 21.05 km, Out= 1.82 km)

WPAY-FM CH 281 C0 73.215 Z
Lat= 38 41 00.0, Lng= 83 00 46.0
100.0 kW 450.2 m HAAT, 676 m COR
Prot.= 60 dBu, Intef.= 54 dBu

WNLT CH 282 A 73.215 N BLH20120531AGB
Lat= 39 06 18.0, Lng= 84 33 25.0
2.0 kW 175 m HAAT, 395 m COR
Prot.= 60 dBu, Intef.= 54 dBu



FMCommander Single Allocation Study - 09-22-2017 - USGS 03 SEC
WPAY-FM's Overlaps (In= 26.48 km, Out= 8.11 km)

WPAY-FM CH 281 C0 73.215 Z
Lat= 38 41 00.0, Lng= 83 00 46.0
100.0 kW 450.2 m HAAT, 676 m COR
Prot.= 60 dBu, Intef.= 54 dBu

WJKR CH 280 A 73.215 Z BLH20130816ACY
Lat= 39 58 00.0, Lng= 83 06 28.0
6.0 kW 99.3 m HAAT, 349.6 m COR
Prot.= 60 dBu, Intef.= 54 dBu

