

**Channel Study**

REFERENCE		CH# 231D - 94.1 MHz, Pwr= 0.013 kW, HAAT= 114.7 M, COR= 362 M								DISPLAY DATES	
39 21 19.0 N.		Average Protected F(50-50)= 6.7 km								DATA 08-08-16	
82 05 27.0 W.		Omni-directional								SEARCH 08-10-16	
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*
231D Athens	W231CQ!	CP	C OH	182.2 2.2	8.43 BNPFT20131023AAY	39 16 45.7 82 05 40.5	0.013 88	19.6 333	5.9 Spirit Communications, Inc	-17.5	-18.4
230B1 St. Marys	WRRR-FM	LIC	CX WV	87.7 268.2	77.39 BLH20040614ABC	39 22 49.0 81 11 36.0	17.000 119	64.7 389	49.7 Seven Ranges Radio Company	6.2	16.9
231D Point Pleasant	W231CY	LIC	C WV	183.5 3.5	56.53 BLFT20160404AAL	38 50 49.0 82 07 50.0	0.170	40.2 290	11.7 Positive Alternative Radio	9.8	23.3
232B1 Chillicothe	WKKJ	LIC	ZCX OH	268.3 87.7	78.16 BLH20061101ADJ	39 19 52.0 82 59 49.0	19.000 108	60.8 343	46.0 Cc Licenses, Llc	10.8	21.2
234B Columbus	WSNY	LIC	CN OH	310.8 130.2	105.54 BLH19850605KO	39 58 16.0 83 01 40.0	22.000 230	6.0 475	66.5 Franklin Communications, I	92.4	38.5
231B Canton	WHBC-FM	LIC	C OH	20.7 201.2	183.51 BMLH19880406KA	40 53 53.0 81 19 07.0	45.000 157	139.0 509	67.3 Alpha Media Licensee Llc	38.5	88.4
231B Oak Hill	WAXS	LIC	CY WV	152.0 332.6	175.33 BMLH19960118KD	37 57 30.0 81 09 03.0	26.500 198	130.0 775	64.4 Plateau Broadcasting, Inc.	38.9	80.8
228D Ravenswood	W269BF	CP	DC WV	134.2 314.4	50.96 BPFT20160712ABL	39 02 07.0 81 40 04.0	0.250	0.2 416	7.9 Fine Arts Radio, Inc.	43.9	42.8
229C1 Ashland	WDGG	LIC	CN KY	204.9 24.5	118.36 BLH19860407KC	38 23 14.0 82 39 45.0	100.000 226	8.9 447	66.9 Fifth Avenue Broadcasting	102.2	51.2
229B Mount Vernon	WQIO	LIC	CN OH	345.8 165.6	120.29 BLH19870625KB	40 24 18.0 82 26 20.0	37.000 172	5.8 507	64.2 Bas Broadcasting, Inc.	108.0	55.6
233D Zanesville	W233AK	LIC	C OH	9.4 189.4	66.77 BMLFT20090323ABA	39 56 55.0 81 57 48.0	0.003 60	0.1 352	4.4 Perry County Broadcasting	60.1	62.1
228A Barnesville	WBNV	LIC	CN OH	50.8 231.4	97.00 BLH19910712KC	39 54 10.0 81 12 37.0	2.500 149	2.6 492	29.5 Avc Communications, Inc.	88.1	67.2
233B1 Dunbar	WYNL	LIC	CN WV	162.9 343.1	108.64 BMLH19980505KB	38 25 11.0 81 43 24.0	9.600 160	3.5 395	40.8 Bristol Broadcasting Compa	98.9	67.4

Terrain database is GLOBE 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.

Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)

< = Contour Overlap

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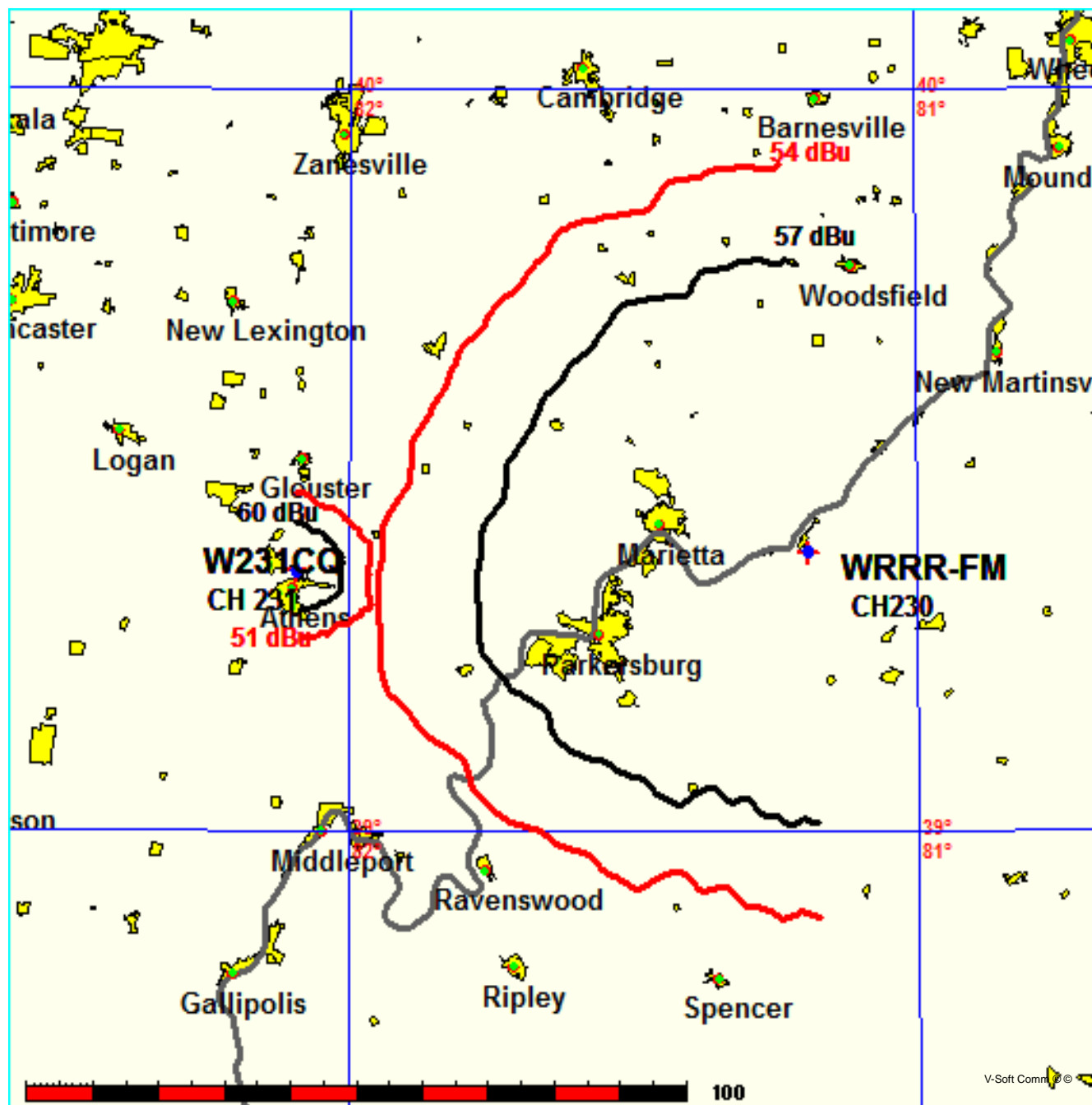
FMCommander Single Allocation Study - 08-10-2016 - GLOBE 30 Sec  
W231CQ's Overlaps (In= 6.15 km, Out= 16.86 km)

W231CQ CH 231 D

Lat= 39 21 19.0, Lng= 82 05 27.0  
0.013 kW 114.7 m HAAT, 362 m COR  
Prot.= 60 dBu, Intef.= 51 dBu

WRRR-FM CH 230 B1 BLH20040614ABC

Lat= 39 22 49.0, Lng= 81 11 36.0  
17.0 kW 119 m HAAT, 389 m COR  
Prot.= 57 dBu, Intef.= 54 dBu



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FMCommander Single Allocation Study - 08-10-2016 - GLOBE 30 Sec  
W231CQ's Overlaps (In= 9.81 km, Out= 23.27 km)

W231CQ CH 231 D

Lat= 39 21 19.0, Lng= 82 05 27.0  
0.013 kW 114.7 m HAAT, 362 m COR  
Prot.= 60 dBu, Intef.= 40 dBu

W231CY CH 231 D BLFT20160404AAL

Lat= 38 50 49.0, Lng= 82 07 50.0  
0.17 kW 0 m HAAT, 290 m COR  
Prot.= 60 dBu, Intef.= 40 dBu

