

**Channel Study**

REFERENCE CH# 295D - 106.9 MHz, Pwr= 0.09 kW DA, HAAT= 166.4 M, COR= 572 M DISPLAY DATES  
 42 01 54.7 N. Average Protected F(50-50)= 13.0 km DATA 01-25-16  
 76 47 02.2 W. Standard Directional SEARCH 01-25-16

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*
296A Whitneyville	WLIH	LIC	CN PA	230.1 49.8	45.26 BMLH19910606KA	41 46 13.0 77 12 08.0	3.300 91	37.3 575	24.6 Good Christian Radio Broad	6.3	18.8
297D Ulster	W297BG	LIC	DC PA	112.3 292.5	21.00 BLFT20110321AAG	41 57 36.0 76 32 58.0	0.235 143	1.1 512	14.4 Geos Communications	18.6	6.6
294D Corning	W294BU	LIC	C NY	296.9 116.7	27.21 BLFT20150921ACK	42 08 31.0 77 04 40.0	0.008 123	9.9 555	6.9 Sound Communications, Llc	9.7	9.5
295B1 Solvay	WSYR-FM	LIC	ZCX NY	23.7 204.1	118.06 BLH20090825BEP	43 00 10.0 76 11 58.0	9.000 124	83.0 352	25.6 Cc Licenses, Llc	22.4	43.6
294A Port Dickinson	WCDW	LIC	CX NY	87.5 268.1	69.58 BLH20101119AAR	42 03 22.0 75 56 39.0	1.200 221	45.2 617	29.9 Equinox Broadcasting Corp	23.0	37.4
296D Ithaca	W296CP	LIC	C NY	23.6 203.8	50.36 BLFT20140605ABW	42 26 48.8 76 32 17.5	0.099 123	8.0 332	5.6 Taughannock Media, Llc	29.7	25.9
295A Scranton	WEZX	LIC	NCX PA	128.6 309.3	121.12 BMLH20110818ABC	41 20 52.0 75 39 03.0	1.450 188	91.3 625	34.3 The Scranton Times, L.p.	28.3	81.3
296D Bath	W296CR!	CP	C NY	307.7 127.4	57.47 BNPFT20130820ABD	42 20 47.0 77 20 11.0	0.060 -81	7.0 382	4.9 Sound Communications, Llc	38.3	34.6
298A Endwell	WBBI	LIC	CX NY	79.4 259.9	65.95 BMLH20070328ACJ	42 08 17.0 75 59 59.0	2.200 166	2.5 534	28.7 Cc Licenses, Llc	61.4	37.2
295A Renovo	WQKK	LIC	CX PA	222.6 42.0	119.46 BLH20050118ADD	41 14 15.0 77 45 02.0	0.800 267	79.4 733	27.8 Magnum Broadcasting, Inc.	37.7	84.2
293D Bath	W293CE	CP	DV NY	309.4 129.1	57.26 BMPFT20140807AAU	42 21 26.5 77 19 17.4	0.090 100	0.4 515	7.5 Family Life Ministries, In	44.5	49.4
298A Liberty	AL2629	VAC	N PA	210.4 30.1	69.56 RM	41 29 28.0 77 12 22.0	6.000 100	2.2 603	21.1 64.0	48.3	
293B Bloomsburg	WFYY	LIC	C PA	166.1 346.4	125.04 BLH20000113AAR	40 56 18.0 76 25 38.0	10.500 313	5.4 591	68.5 Southern Belle, Llc	114.4	56.3
296D Cortland	W296CK	CP	DV NY	35.3 215.7	81.04 BNPFT20130828AGG	42 37 30.0 76 12 41.0	0.027 27	9.1 469	6.4 Calvary Chapel Of The Fing	59.9	56.8
296D Johnson City	W296BS	LIC	DC NY	87.5 268.1	69.58 BMLFT20130611AAL	42 03 22.0 75 56 39.0	0.250 287	9.6 678	6.3 Equinox Broadcasting Corp	58.6	60.9
297A South Bristol Towns	WNBL	LIC	CX NY	326.6 146.2	95.38 BLH20020117AAL	42 44 47.0 77 25 35.0	0.650 303	1.6 691	29.2 Citicasters Licenses, Inc.	80.3	65.6

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= 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)

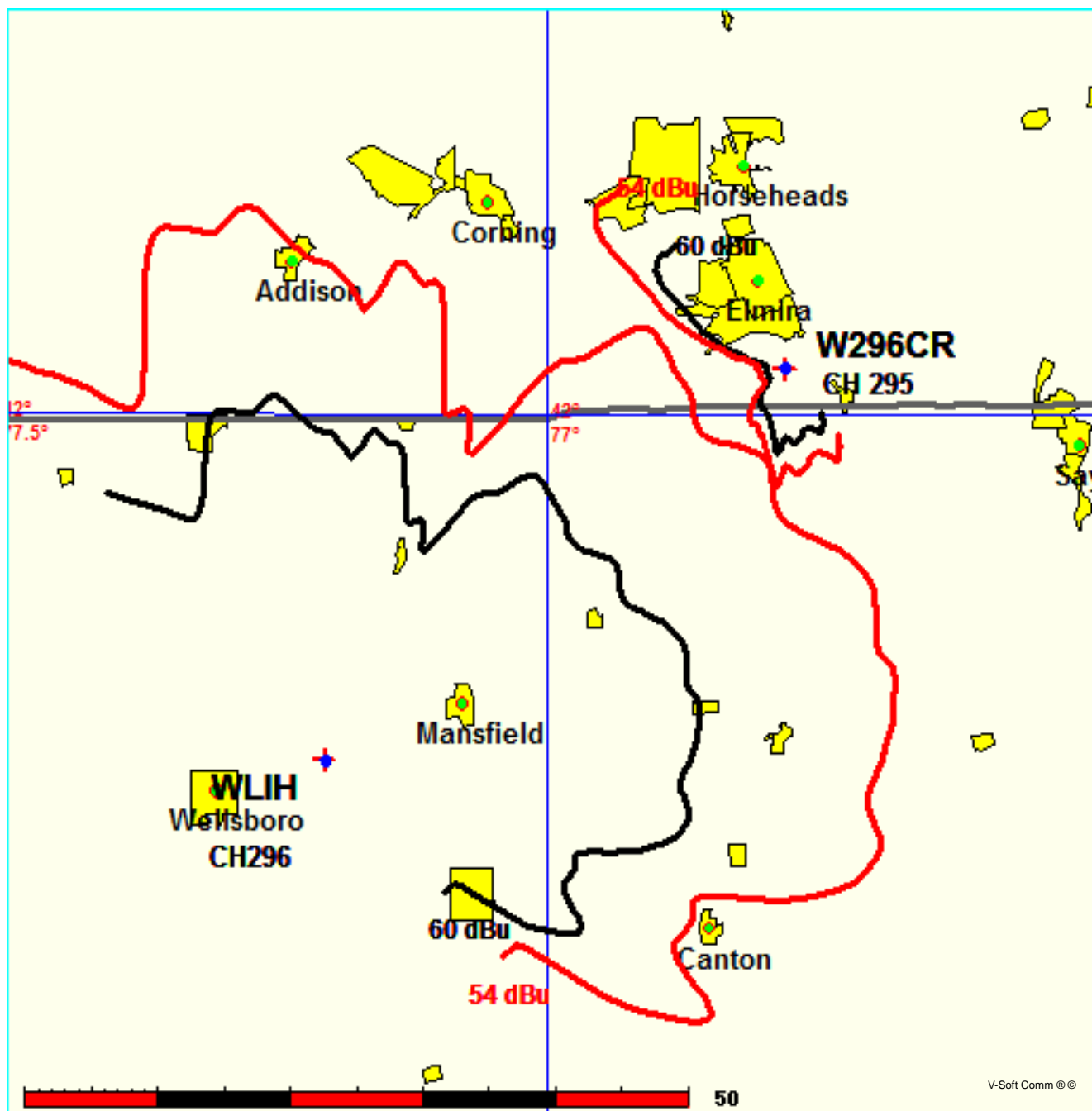
Reference station has protected zone issue: Canada

Sound Communications, LLC

FMCommander Single Allocation Study - 01-25-2016 - FCC NGDC 30 Sec  
W296CR's Overlaps (In= 6.32 km, Out= 18.78 km)

W296CR CH 295 D DA  
Lat= 42 01 54.7, Lng= 76 47 02.2  
0.09 kW 166.4 m HAAT, 572 m COR  
Prot.= 60 dBu, Intef.= 54 dBu

WLIH CH 296 A BMLH19910606KA  
Lat= 41 46 13.0, Lng= 77 12 08.0  
3.3 kW 91 m HAAT, 575 m COR  
Prot.= 60 dBu, Intef.= 54 dBu

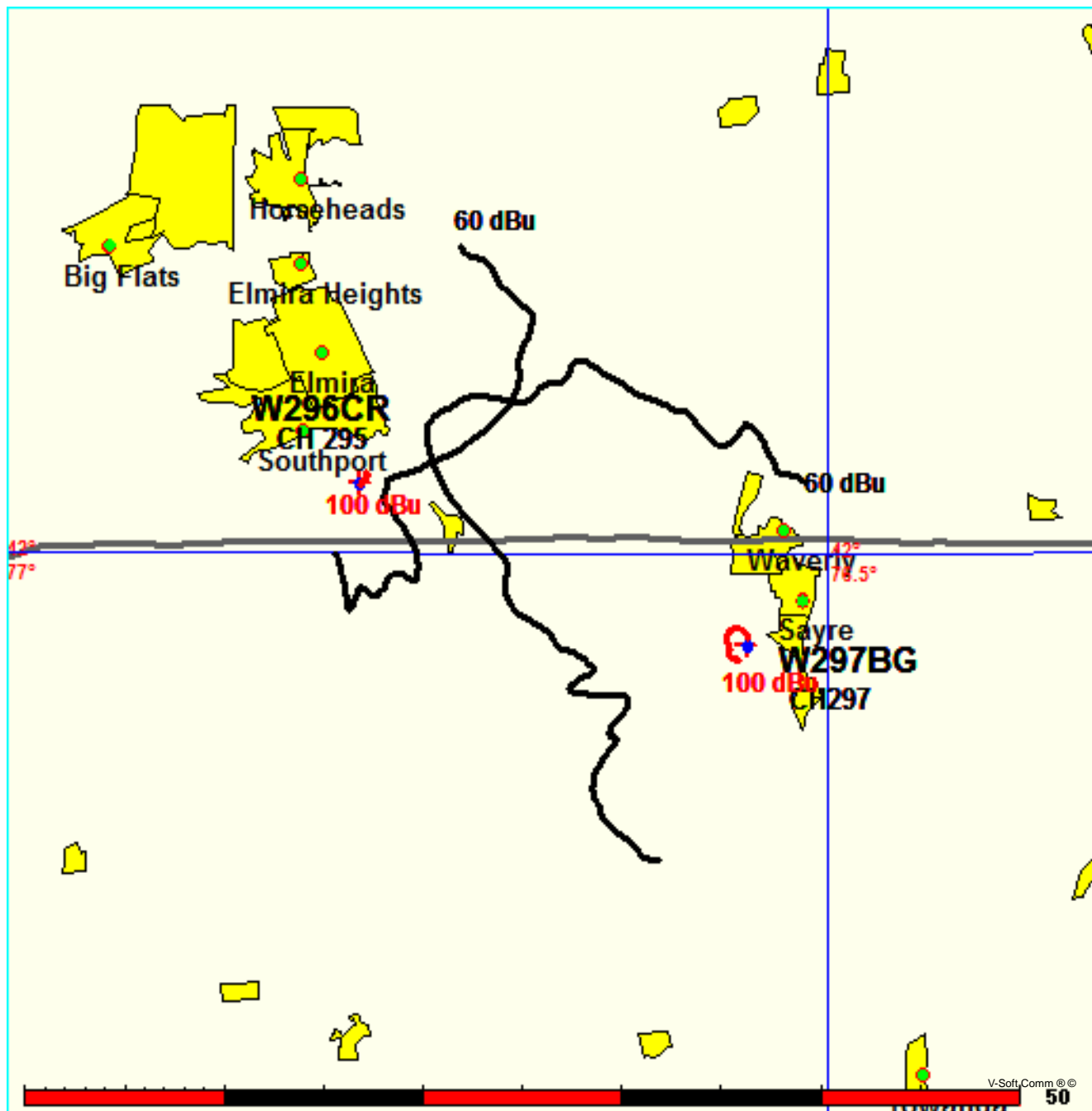


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FMCommander Single Allocation Study - 01-25-2016 - FCC NGDC 30 Sec  
W296CR's Overlaps (In= 18.61 km, Out= 6.59 km)

W296CR CH 295 D DA  
Lat= 42 01 54.7, Lng= 76 47 02.2  
0.09 kW 166.4 m HAAT, 572 m COR  
Prot.= 60 dBu, Intef.= 100 dBu

W297BG CH 297 D DA BLFT20110321AAG  
Lat= 41 57 36.0, Lng= 76 32 58.0  
0.235 kW 143.1 m HAAT, 512 m COR  
Prot.= 60 dBu, Intef.= 100 dBu

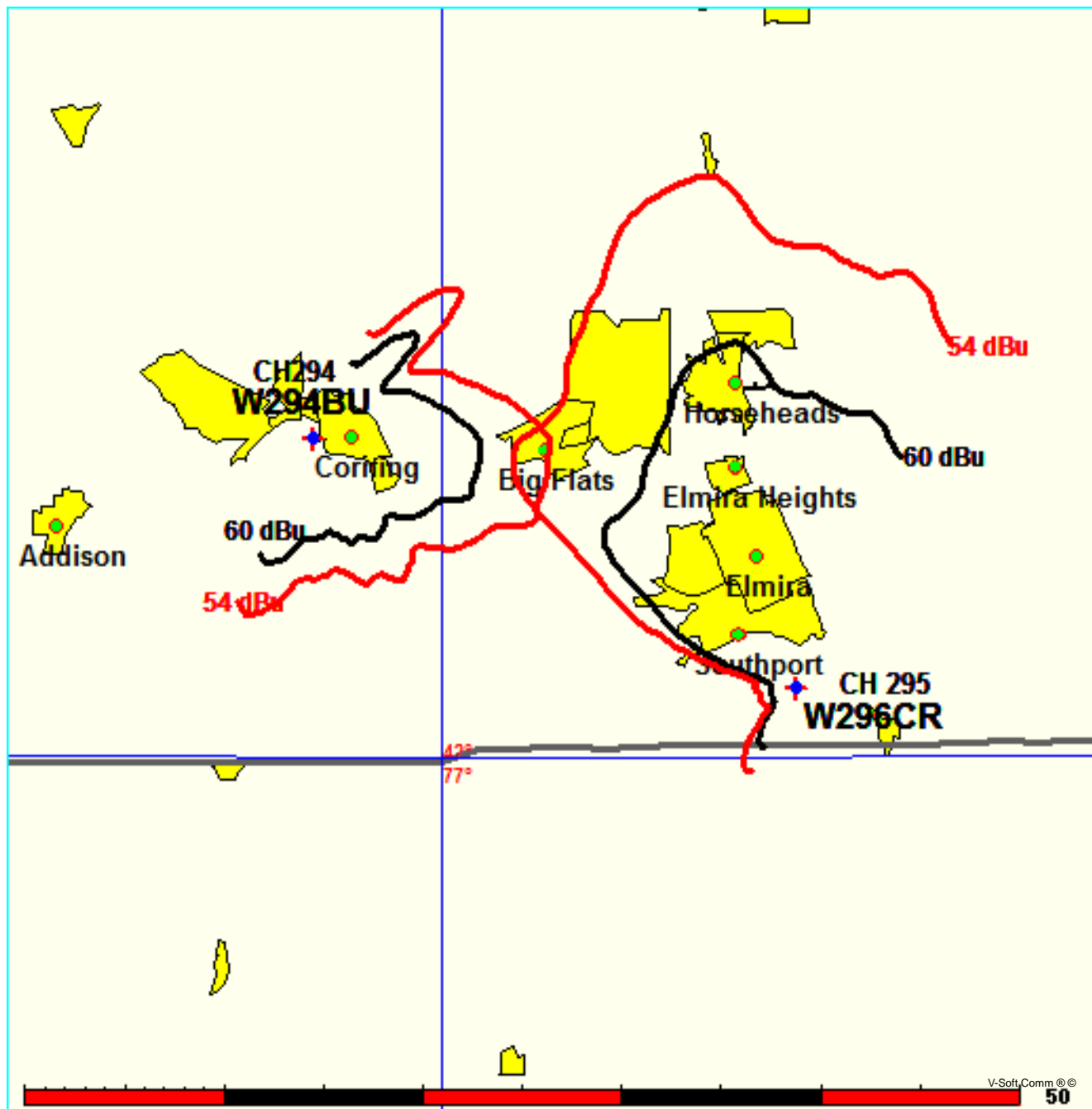


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FMCommander Single Allocation Study - 01-25-2016 - FCC NGDC 30 Sec  
W296CR's Overlaps (In= 9.75 km, Out= 9.5 km)

W296CR CH 295 D DA  
Lat= 42 01 54.7, Lng= 76 47 02.2  
0.09 kW 166.4 m HAAT, 572 m COR  
Prot.= 60 dBu, Intef.= 54 dBu

W294BU CH 294 D BLFT20150921ACK  
Lat= 42 08 31.0, Lng= 77 04 40.0  
0.008 kW 122.7 m HAAT, 555 m COR  
Prot.= 60 dBu, Intef.= 54 dBu



W296CR for WENY (295)

W294BU (294)

# W294BU Corning NY Minor Mod Contours vs W296CR

## W294BU

BLFT20150921ACK

Latitude: 42-08-31 N

Longitude: 077-04-40 W

ERP: 0.099 kW

Channel: 294

Frequency: 106.7 MHz

AMSL Height: 547.0 m

Horiz. Pattern: Directional

Vert. Pattern: No

Prop Model: None

## W296CR for WENY

BNPFT-20130820ABD

Latitude: 42-01-54.70 N

Longitude: 076-47-02.20 W

ERP: 0.09 kW

Channel: 295

Frequency: 106.9 MHz

AMSL Height: 574.0 m

Horiz. Pattern: Directional

Vert. Pattern: No

Prop Model: None

