

WIDL(FM) Cass City, MI
Minimum Spacings Study

REFERENCE		DISPLAY DATES
43 28 51.0 N.	CLASS = C3 Int = B1	DATA 07-13-11
83 20 31.0 W.	Current Spacings to 3rd Adj.	SEARCH 07-13-11
----- Channel 221 - 92.1 MHz -----		

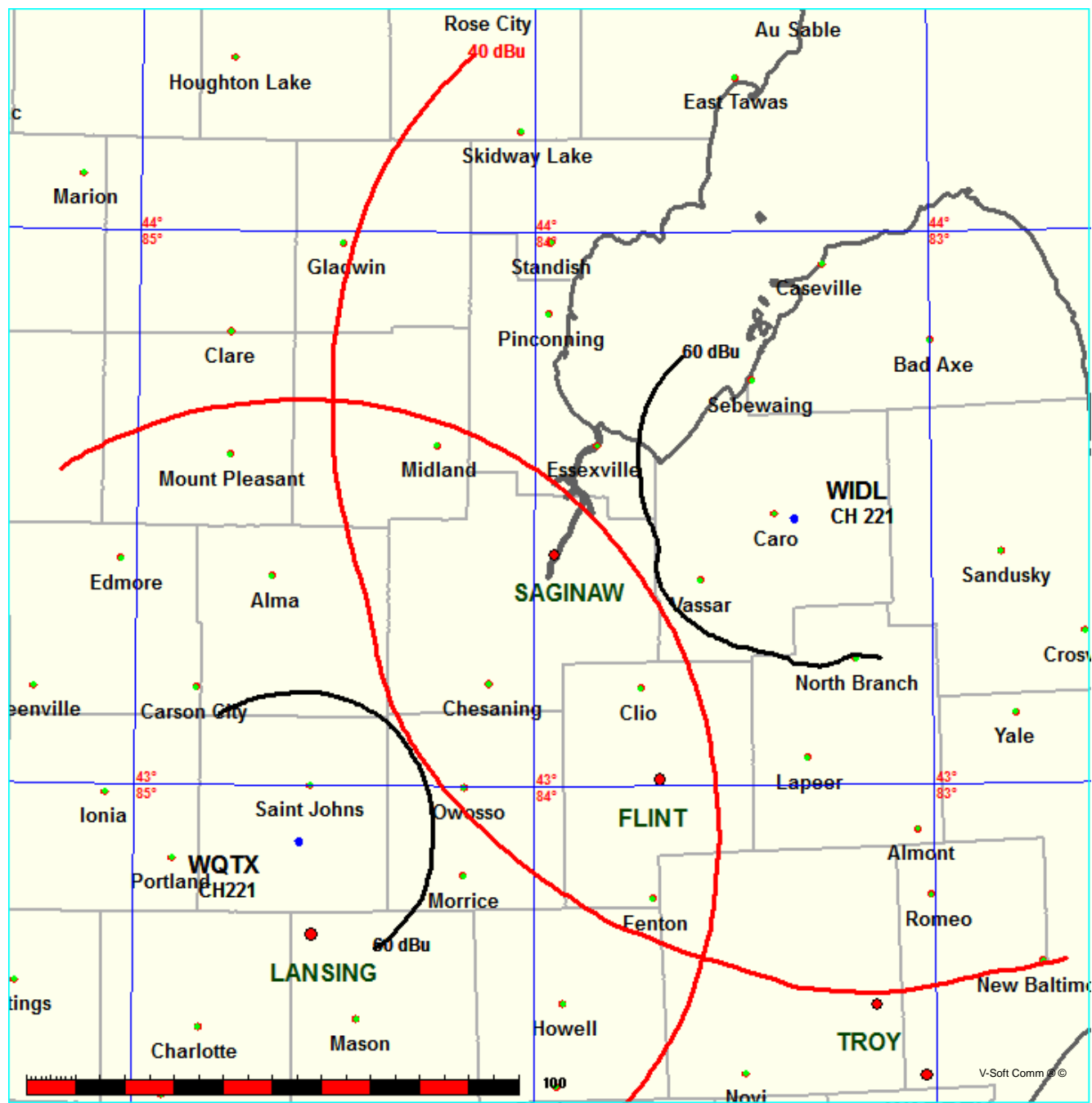
Call	Channel	Location		Azi	Dist	FCC	Margin
WQTX	LIC 221A	St. Johns	MI	237.2	119.7	141.5	-21.8
WMXD	LIC-Z 222B	Detroit	MI	169.2	129.9	144.5	-14.6
CKPCFM	OPE 221C1	Brantford	ON	94.6	247.0	255.5	-8.5
R43097	ADD 221C1	Brantford	ON	94.6	247.0	255.5	-8.5
WBGV	LIC 223A	Marlette	MI	125.7	37.0	41.5	-4.5
WSMO	CP -Z 220A	Mount Forest	MI	317.4	84.3	88.5	-4.2
WORW	LIC 220A	Port Huron	MI	124.3	89.3	88.5	0.8
WTWS	LIC-N 221A	Houghton Lake	MI	309.2	144.0	141.5	2.5
WDZZ-FM	LIC 224A	Flint	MI	210.2	56.5	41.5	15.0
1237755	APP-Z 218A	Port Austin	MI	37.0	70.9	41.5	29.4
3006	USE-D 220B1	Leamington	ON	159.8	161.7	130.5	31.2

WIDL(FM) Cass City, MI
Proposed WIDL vs. WQTX

FMCommander Single Allocation Study - 07-13-2011 - NGDC 30 SEC
WIDL's Overlaps (In= 2.29 km, Out= 1.23 km)

WIDL CH 221 C3 73.215 Z
Lat= 43 28 51.0, Lng= 83 20 31.0
25.0 kW 93.9 M HAAT, 312 M COR
Prot.= 60 dBu, Intef.= 40 dBu

WQTX CH 221 A BLH19900905KA
Lat= 42 53 29.0, Lng= 84 34 27.0
6.0 kW 100 M HAAT, 341 M COR
Prot.= 60 dBu, Intef.= 40 dBu

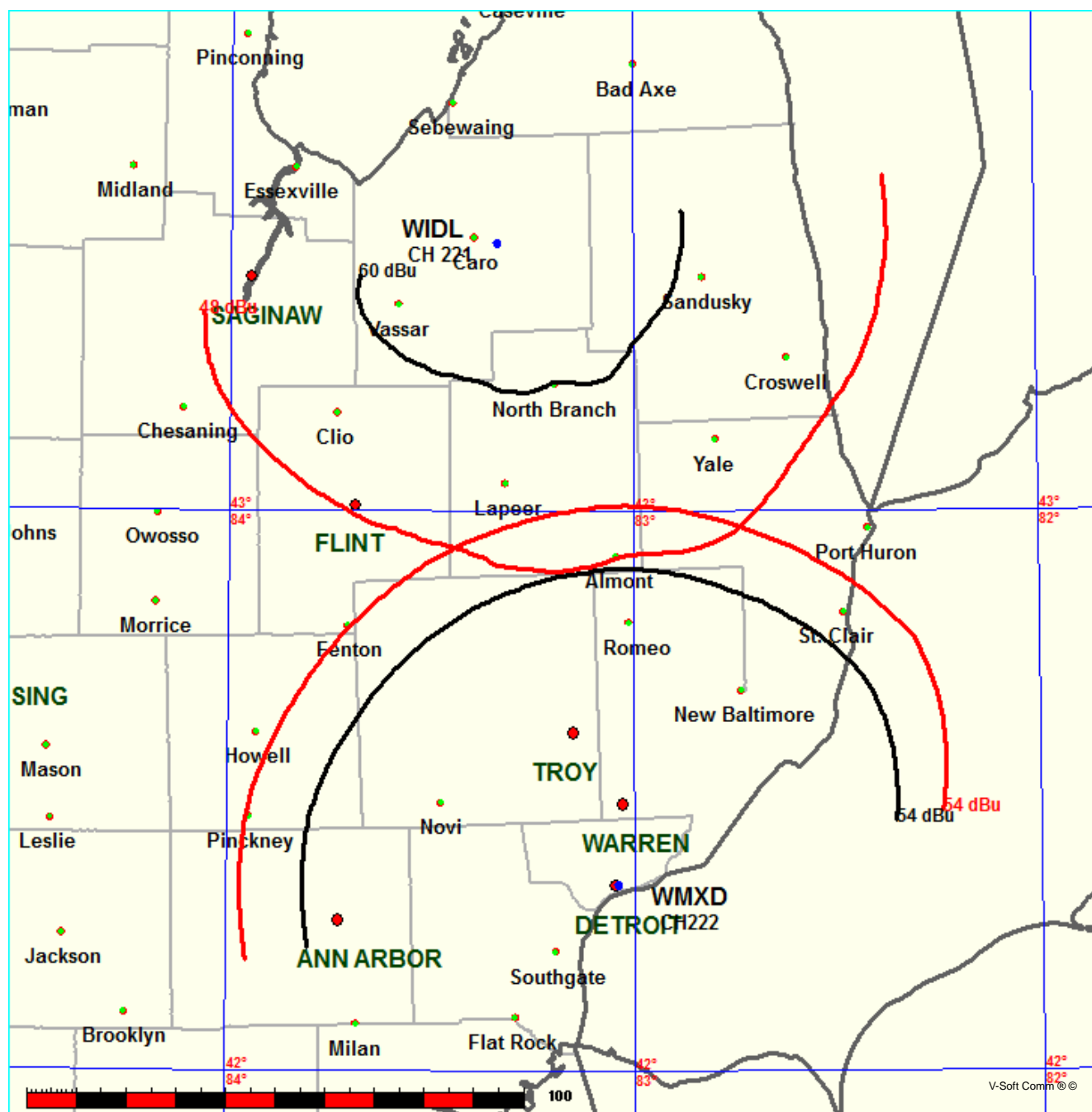


WIDL(FM) Cass City, MI Proposed WIDL vs. WMXD

FMCommander Single Allocation Study - 07-13-2011 - NGDC 30 SEC
WIDL's Overlaps (In= 24.82 km, Out= 1.13 km)

WIDL CH 221 C3 73.215 Z
Lat= 43 28 51.0, Lng= 83 20 31.0
25.0 kW 93.9 M HAAT, 312 M COR
Prot.= 60 dBu, Intef.= 48 dBu

WMXD CH 222 B 73.215 Z BLH19970303KA
Lat= 42 19 55.0, Lng= 83 02 42.0
45.0 kW 146 M HAAT, 331 M COR
Prot.= 54 dBu, Intef.= 54 dBu

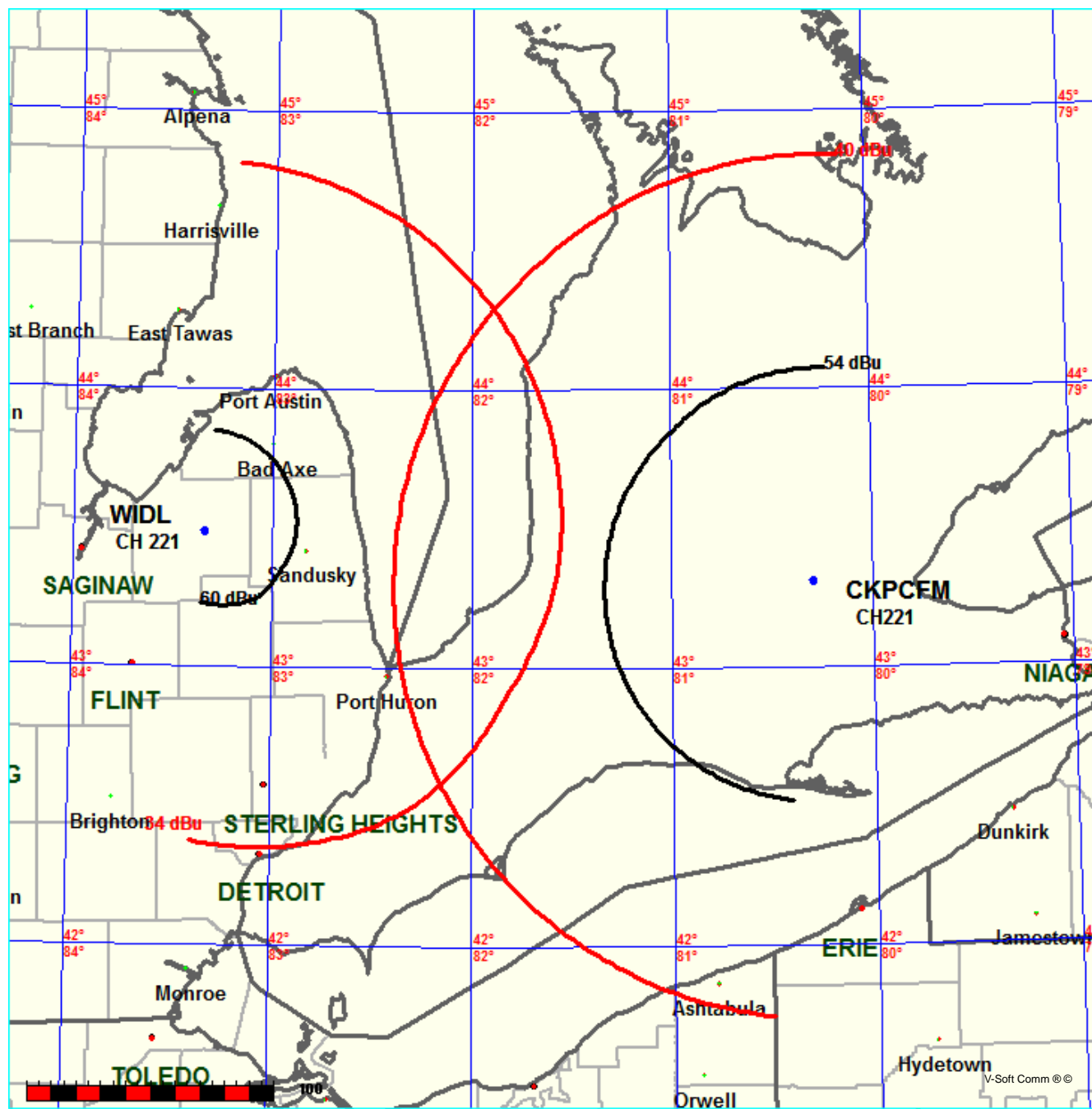


WIDL(FM) Cass City, MI
Proposed WIDL vs. CKPC-FM

FMCommander Single Allocation Study - 07-13-2011 - NGDC 30 SEC
WIDL's Overlaps (In= 40.73 km, Out= 19.05 km)

WIDL CH 221 C3 DA
Lat= 43 28 51.0, Lng= 83 20 31.0
25.0 kW 93.9 M HAAT, 312 M COR
Prot.= 60 dBu, Intef.= 34 dBu

CKPCFM CH 221 C1
Lat= 43 15 49.0, Lng= 80 18 32.0
100.0 kW 299 M HAAT, 560.9 M COR
Prot.= 54 dBu, Intef.= 40 dBu

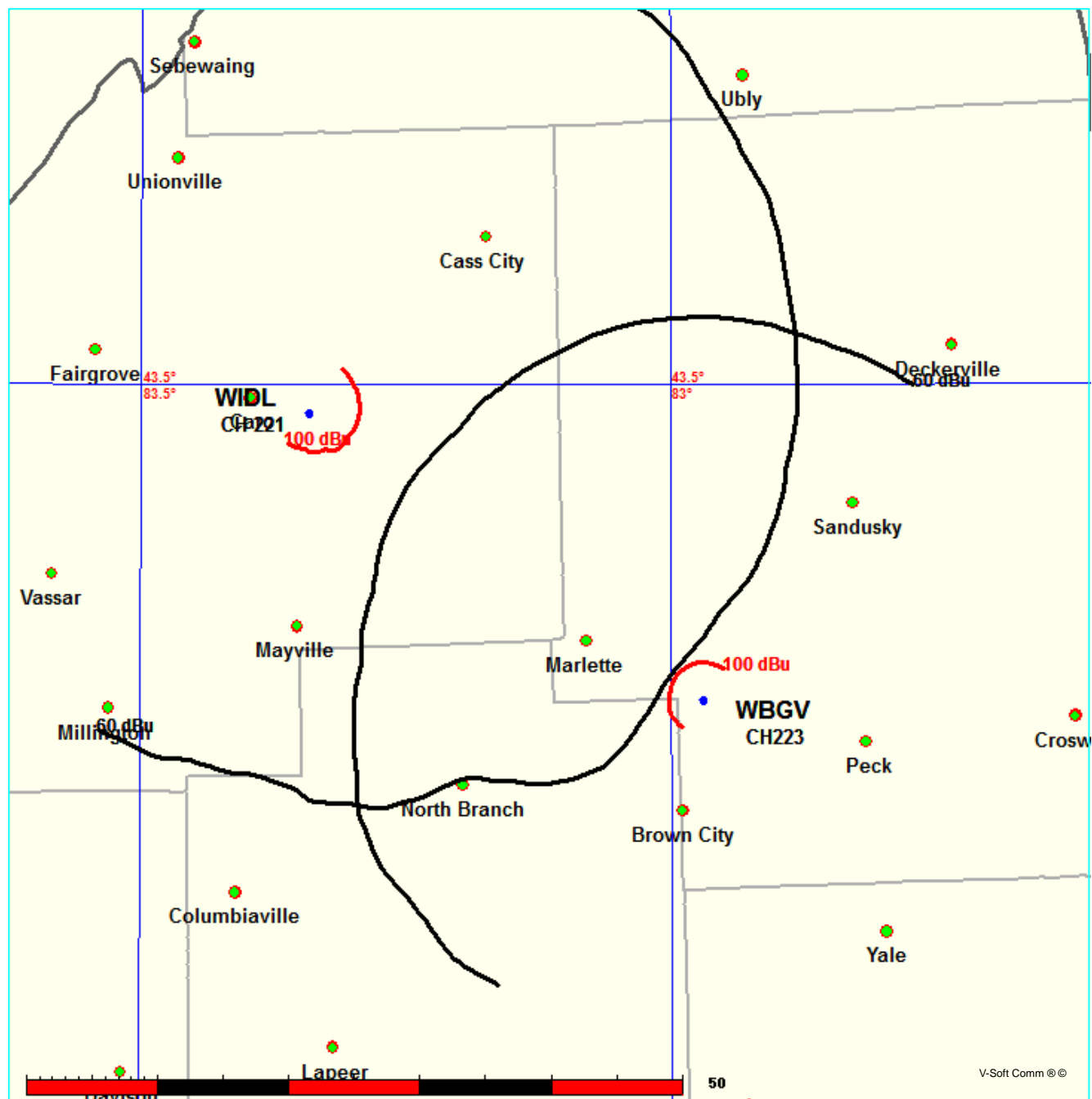


WIDL(FM) Cass City, MI
Proposed WIDL vs. WBGV

FMCommander Single Allocation Study - 07-13-2011 - NGDC 30 SEC
WIDL's Overlaps (In= 0.38 km, Out= 5.85 km)

WIDL CH 221 C3 73.215 Z
Lat= 43 28 51.0, Lng= 83 20 31.0
25.0 kW 93.9 M HAAT, 312 M COR
Prot.= 60 dBu, Intef.= 100 dBu

WBGV CH 223 A BLH19990621KC
Lat= 43 17 10.0, Lng= 82 58 17.0
6.0 kW 100 M HAAT, 342 M COR
Prot.= 60 dBu, Intef.= 100 dBu



WIDL(FM) Cass City, MI
Proposed WIDL vs. WSMO CP

FMCommander Single Allocation Study - 07-13-2011 - NGDC 30 SEC
WIDL's Overlaps (In= 1.5 km, Out= -3.98 km)

WIDL CH 221 C3 73.215 Z
Lat= 43 28 51.0, Lng= 83 20 31.0
25.0 kW 93.9 M HAAT, 312 M COR
Prot.= 60 dBu, Intef.= 54 dBu

WSMO.C CH 220 A 73.215 Z BNPED20071019AIK
Lat= 44 02 11.0, Lng= 84 03 18.0
3.8 kW 100 M HAAT, 324 M COR
Prot.= 60 dBu, Intef.= 54 dBu

