

Broadcast Engineering Services of Bonny Doon, Inc.

Donald E. Mussell Jr. NCE-CBT
Consulting Engineer
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**Engineering Statement
in support of a Minor Amendment
to the application for a new translator at Kihei, Hawaii
BNPFT 20030317AAD**

The applicant is requesting a minor tech box amendment to eliminate overlap with the other application in Group 155. By changing the proposed output channel of the Kihei proposal, all conflicts are resolved and no prohibited overlap will result.

This proposal is not located within 39 kilometers of any spectrum limited market grid, nor within a top-50 market. Because of this, no LPFM preclusion study is required.

An allocation study, along with detail maps, is attached to this statement.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'D. Mussell Jr.', with a stylized, cursive flourish at the end.

Donald E. Mussell Jr. NCE-CBT
Consulting Engineer
June 18, 2013

Broadcast Engineering Services of Bonny Doon, Inc.
Don Mussell NCE-CBT

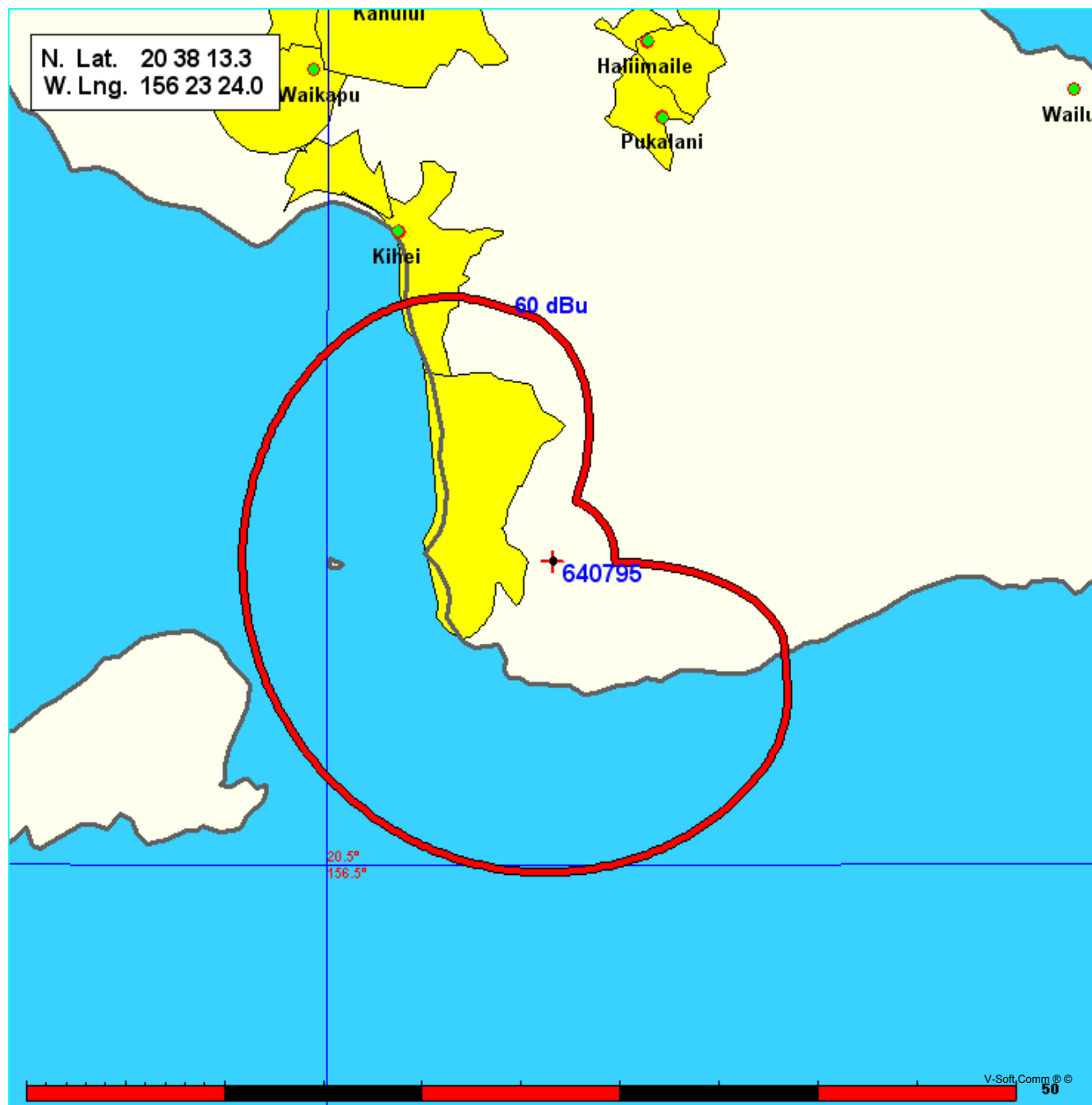
<div> <div>REFERENCE</div> <div>20 38 13.3 N.</div> <div>156 23 24.0 W.</div> </div> <div> <div>CH# 238D</div> <div>- 95.5 MHz, Pwr= 0.01 kw, HAAT= 410.7 M, COR= 833 M</div> <div>Average Protected F(50-50)= 11.69 km</div> <div>Omni-directional</div> </div> <div> <div>DISPLAY DATES</div> <div>DATA 06-17-13</div> <div>SEARCH 06-17-13</div> </div>											
<div> <div>CH</div> <div>CALL</div> <div>CITY</div> </div> <div> <div>TYPE</div> <div>ANT</div> <div>STATE</div> </div> <div> <div>AZI</div> <div><--</div> </div> <div> <div>DIST</div> <div>FILE #</div> </div> <div> <div>LAT</div> <div>LNG</div> </div> <div> <div>PWR(kw)</div> <div>HAAT(M)</div> </div> <div> <div>INT(km)</div> <div>COR(M)</div> </div> <div> <div>PRO(km)</div> <div>LICENSEE</div> </div> <div> <div>*IN*</div> <div>(Overlap in km)</div> </div> <div> <div>*OUT*</div> </div>											
236C1	KAOI-FM	Wailuku	LIC _HX HI	44.0 224.1	21.36 BLH20090410ARC	20 46 31.0 156 14 49.0	3.500 933	3.7 2104	47.8	10.9	-26.6*
238C	KAIM-FM	Honolulu	LIC DC_ HI	295.7 115.1	196.57 BLH19990430KB	21 23 45.0 158 05 58.0	100.000 565	197.3 734	92.3	-16.2*	46.6
241D	634594	Kihei	APP _C_ HI	34.3 214.3	14.12 BNPFT20030313AMC	20 44 32.0 156 18 48.0	0.010 158	0.2 1228	8.7	6.8	2.6
240D	640795	Kihei	APP _H_ HI	341.3 161.3	21.79 BNPFT20030317AAD	20 49 24.0 156 27 27.0	0.090 -85	0.7 113	5.5	6.9	12.1
239D	634587	Lahaina	APP _C_ HI	318.0 137.9	47.05 BNPFT20030313AMQ	20 57 06.0 156 41 38.0	0.250 -100	10.1 50	7.1	21.5	15.5
240D	640712	Honokawai	APP _H_ HI	318.0 137.9	47.05 BNPFT20030317AAC	20 57 06.0 156 41 38.0	0.020 -80	0.3 70	3.7	31.4	42.5
237D	650098	Puuanahulu	APP _C_ HI	147.5 327.7	106.80 BNPFT20030317LFP	19 49 25.0 155 50 25.0	0.250 -5	49.1 650	31.3	42.5	50.9
Better Best, Inc.											

Terrain database is FCC 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= West 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)
"*"affixed to 'IN' or 'OUT' values = site inside protected contour.

New Kihei
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Coverage Study - FCC NGDC 30 Sec
06-17-2013

640795 CH238 D , 0.01 kW, 410.7M HAAT, 833.0M COR AMSL
Service Contour = 60 dBu. Population = 11,649

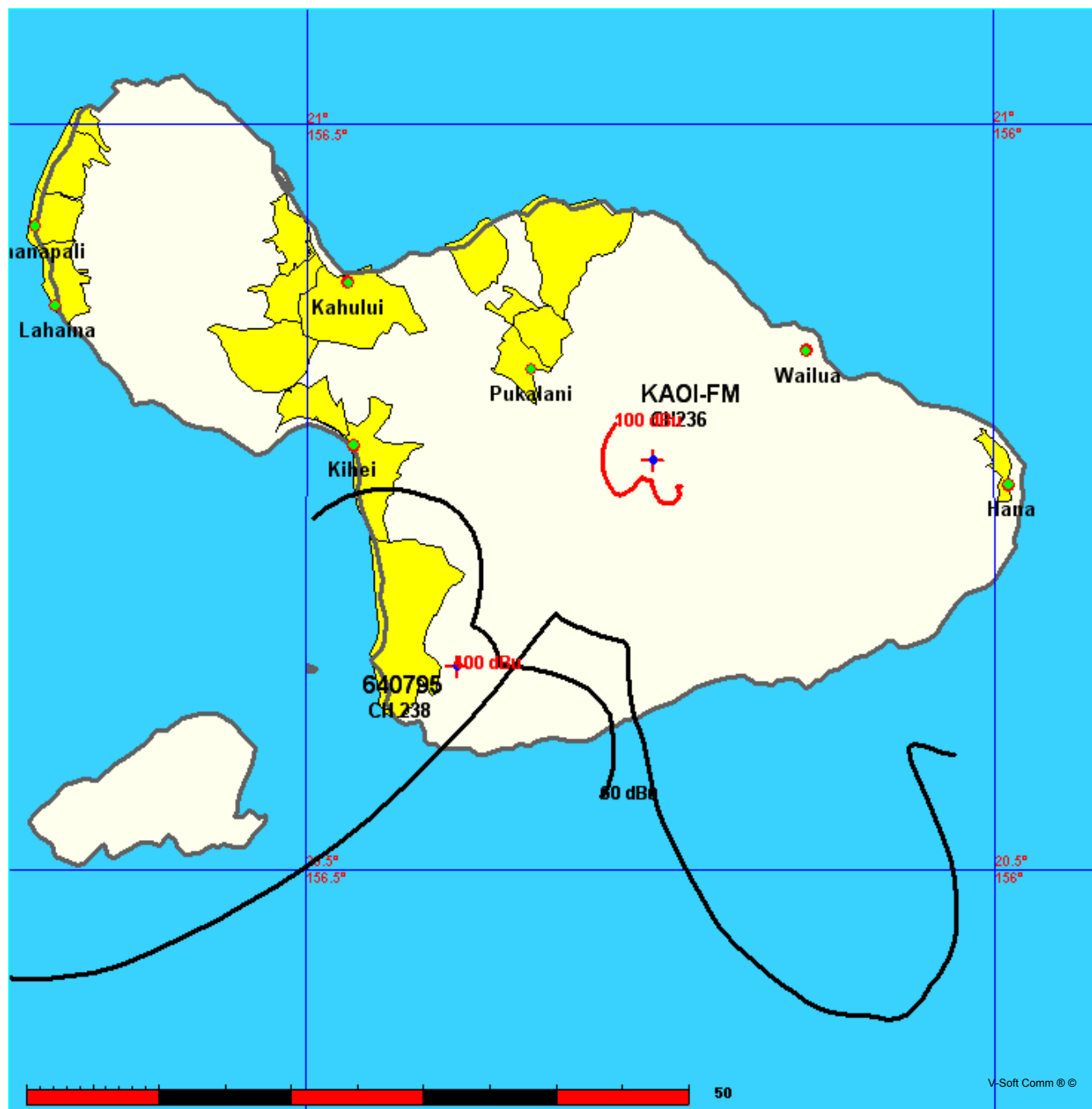


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FMCommander Single Allocation Study - 06-17-2013 - FCC NGDC 30 Sec
640795's Overlaps (In= 10.86 km, Out= -26.64 km)

640795 CH 238 D
Lat= 20 38 13.3, Lng= 156 23 24.0
0.01 kW 410.7 M HAAT, 833 M COR
Prot.= 60 dBu, Intef.= 100 dBu

KAOI-FM CH 236 C1 BLH20090410ARC
Lat= 20 46 31.0, Lng= 156 14 49.0
3.5 kW 933.1 M HAAT, 2104 M COR
Prot.= 60 dBu, Intef.= 100 dBu

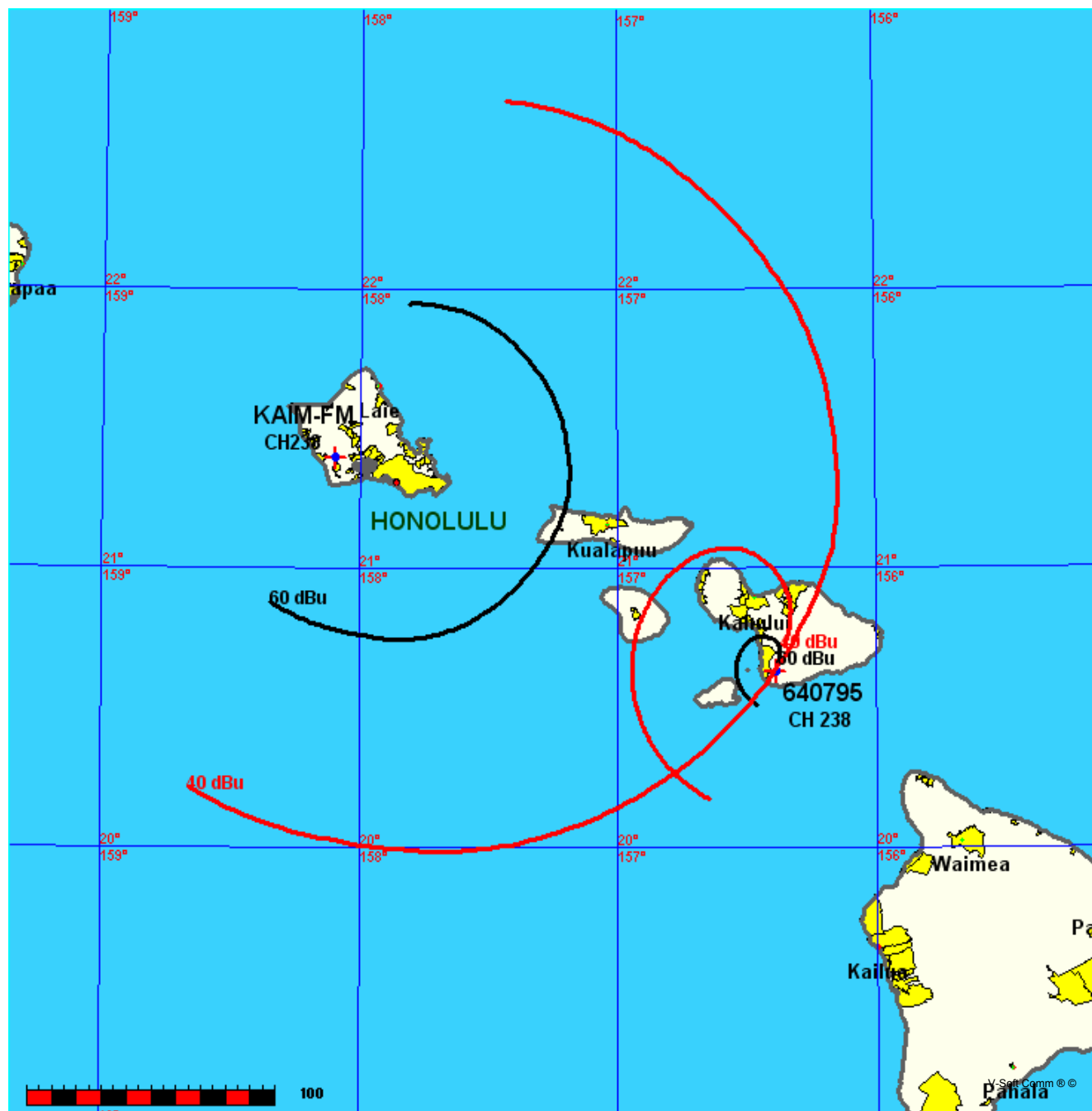


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FMCommander Single Allocation Study - 06-17-2013 - FCC NGDC 30 Sec
640795's Overlaps (In= -16.23 km, Out= 46.58 km)

640795 CH 238 D
Lat= 20 38 13.3, Lng= 156 23 24.0
0.01 kW 410.7 M HAAT, 833 M COR
Prot.= 60 dBu, Intef.= 40 dBu

KAIM-FM CH 238 C DA BLH19990430KB
Lat= 21 23 45.0, Lng= 158 05 58.0
100.0 kW 565 M HAAT, 734 M COR
Prot.= 60 dBu, Intef.= 40 dBu

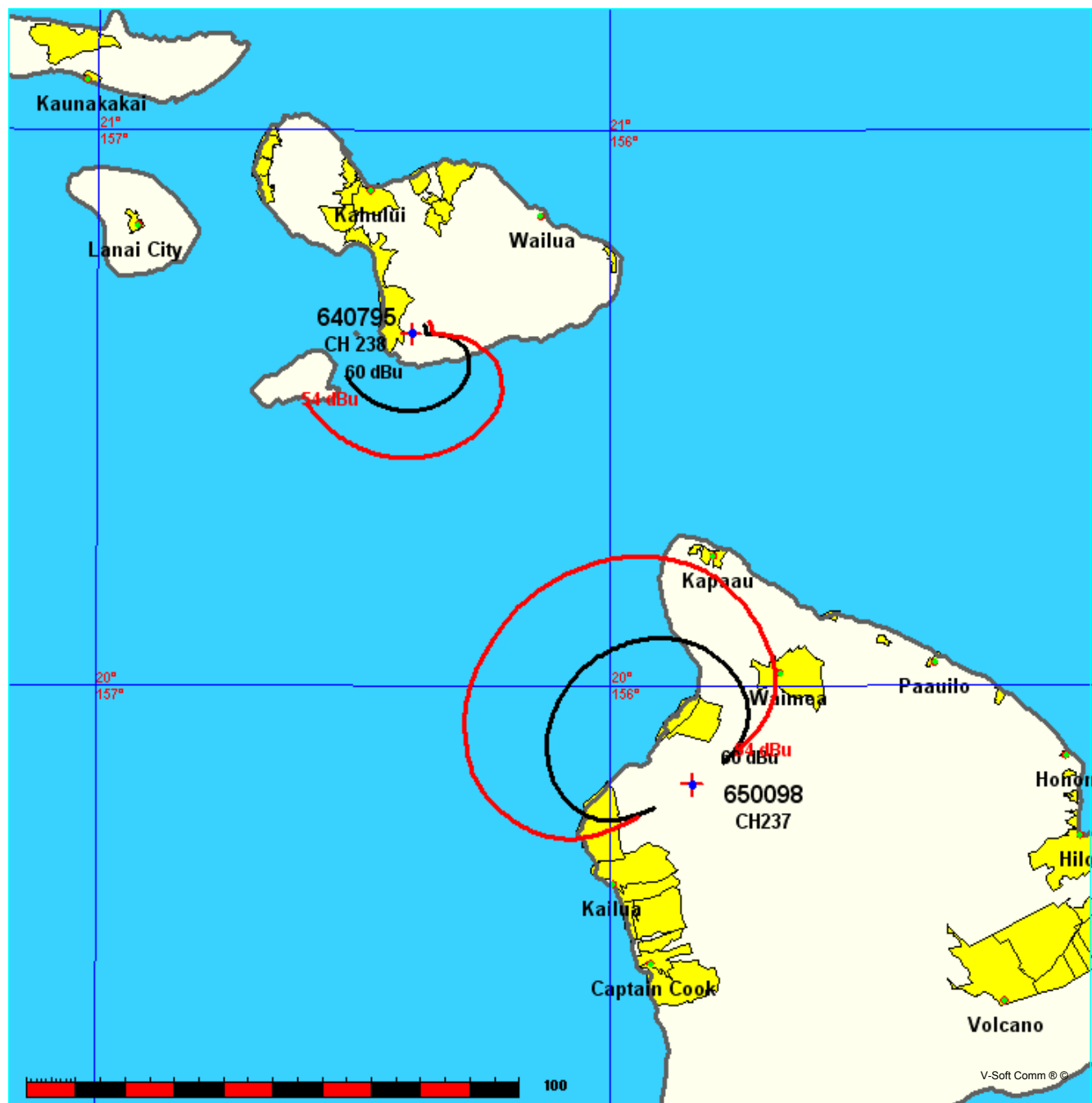


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FMCommander Single Allocation Study - 06-17-2013 - FCC NGDC 30 Sec
640795's Overlaps (In= 42.5 km, Out= 50.91 km)

640795 CH 238 D
Lat= 20 38 13.3, Lng= 156 23 24.0
0.01 kW 410.7 M HAAT, 833 M COR
Prot.= 60 dBu, Intef.= 54 dBu

650098 CH 237 D BNPFT20030317LFP
Lat= 19 49 25.0, Lng= 155 50 25.0
0.25 kW -5.2 M HAAT, 650 M COR
Prot.= 60 dBu, Intef.= 54 dBu

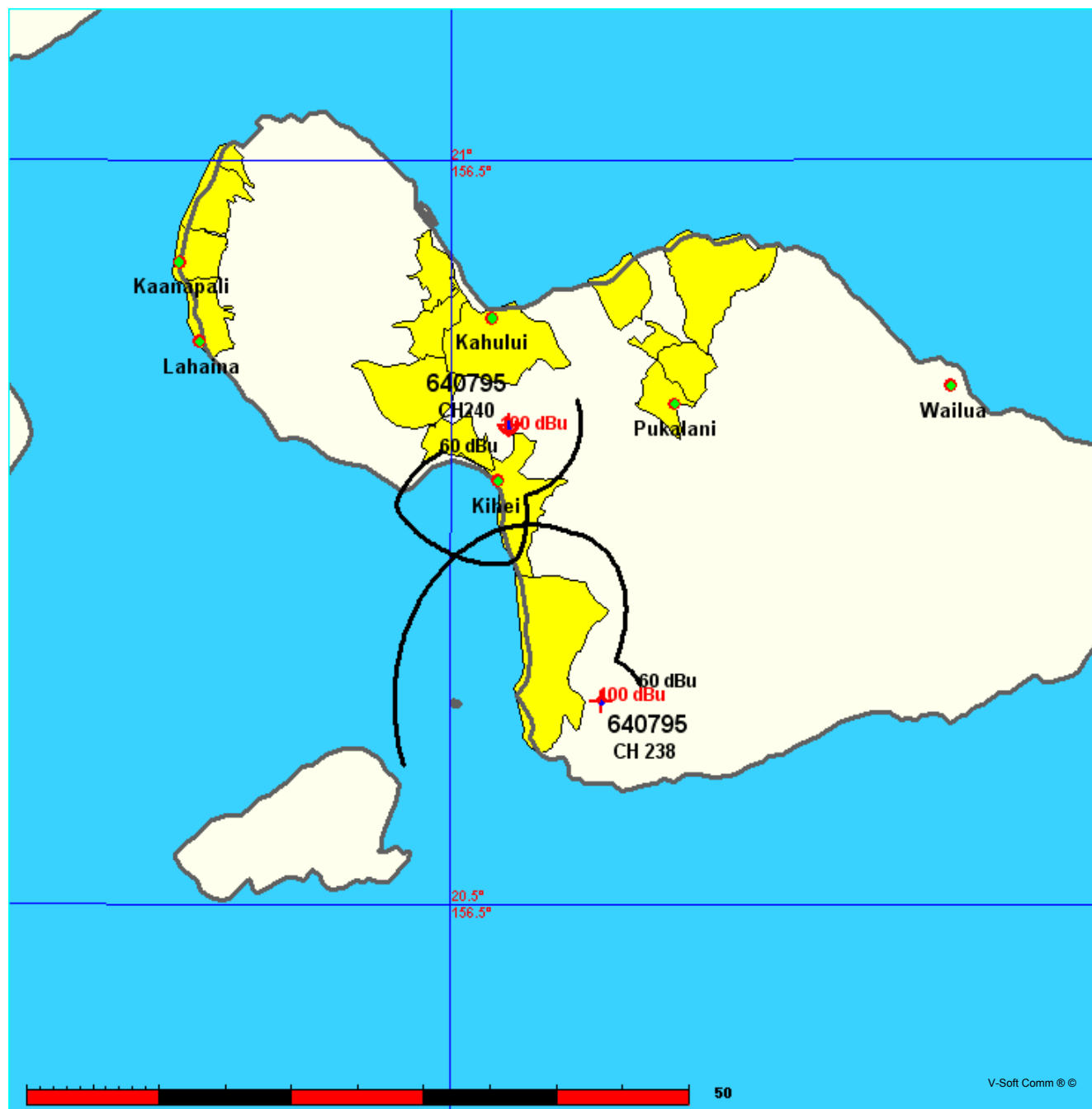


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FMCommander Single Allocation Study - 06-17-2013 - FCC NGDC 30 Sec
640795's Overlaps (In= 6.95 km, Out= 12.13 km)

640795 CH 238 D
Lat= 20 38 13.3, Lng= 156 23 24.0
0.01 kW 410.7 M HAAT, 833 M COR
Prot.= 60 dBu, Intef.= 100 dBu

640795 CH 240 D BNPFT20030317AAD
Lat= 20 49 24.0, Lng= 156 27 27.0
0.09 kW -84.9 M HAAT, 113 M COR
Prot.= 60 dBu, Intef.= 100 dBu

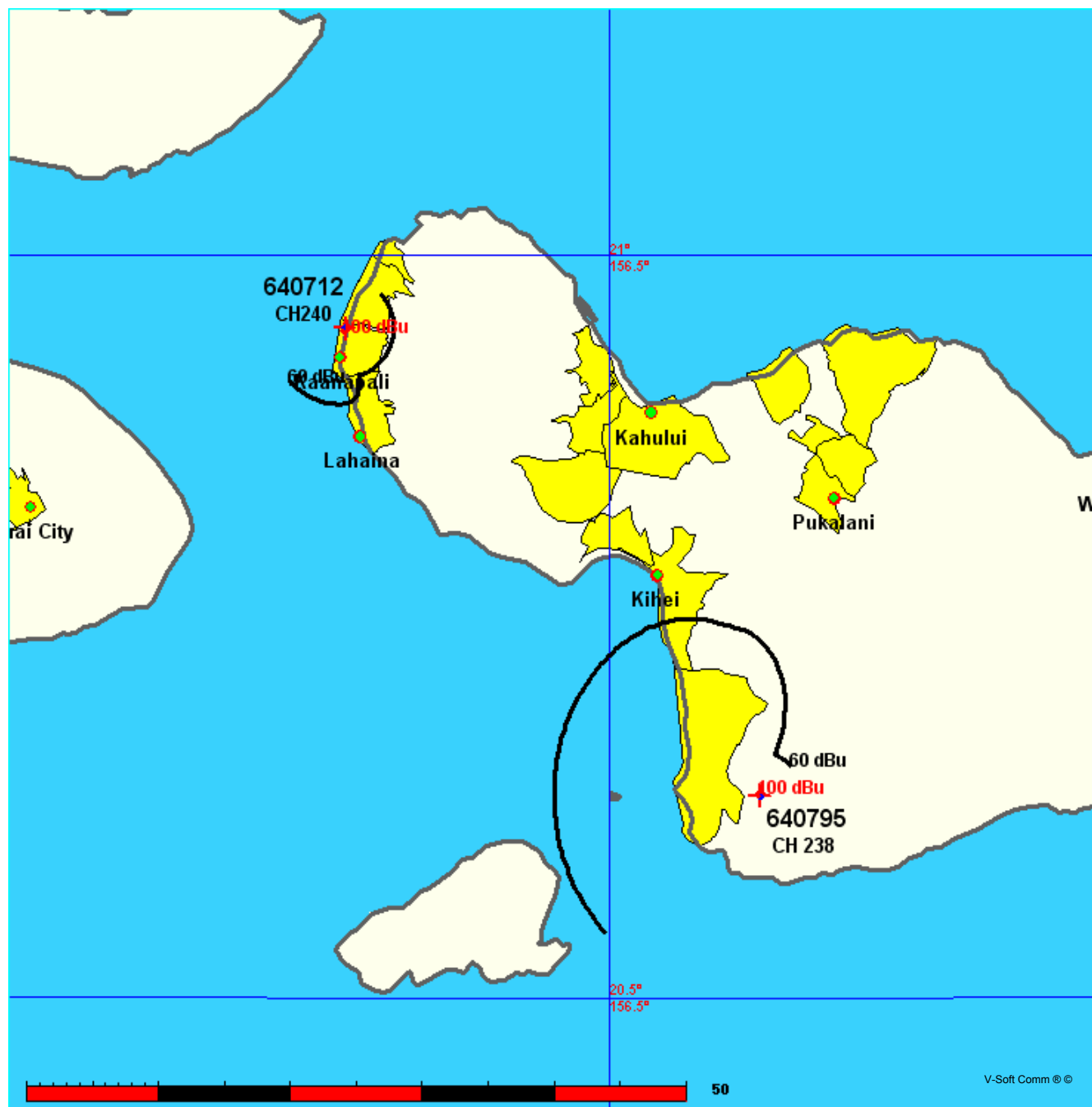


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FMCommander Single Allocation Study - 06-17-2013 - FCC NGDC 30 Sec
640795's Overlaps (In= 31.38 km, Out= 42.47 km)

640795 CH 238 D
Lat= 20 38 13.3, Lng= 156 23 24.0
0.01 kW 410.7 M HAAT, 833 M COR
Prot.= 60 dBu, Intef.= 100 dBu

640712 CH 240 D BNPFT20030317AAC
Lat= 20 57 06.0, Lng= 156 41 38.0
0.02 kW -79.7 M HAAT, 70 M COR
Prot.= 60 dBu, Intef.= 100 dBu

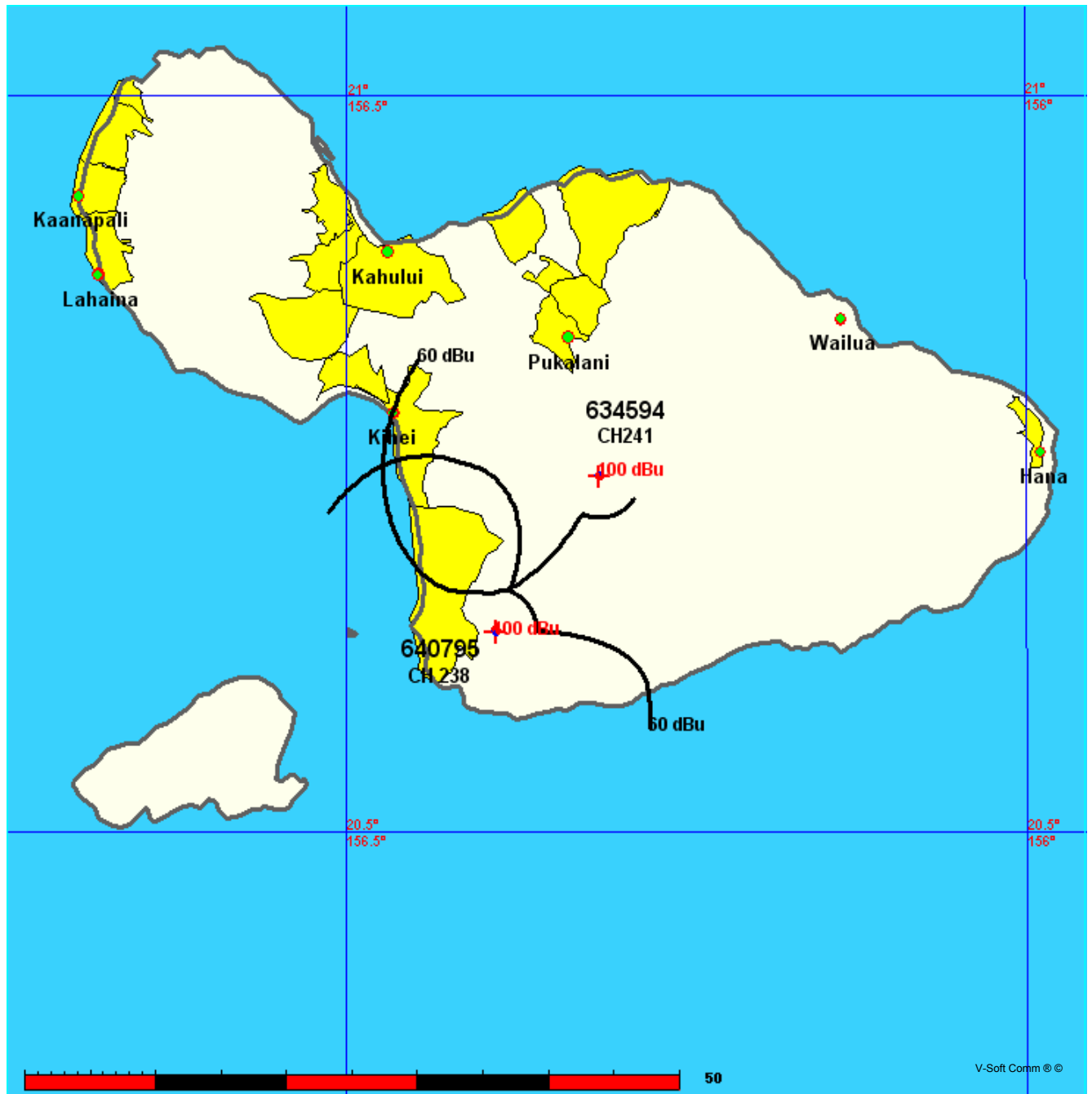


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FMCommander Single Allocation Study - 06-17-2013 - FCC NGDC 30 Sec
640795's Overlaps (In= 6.75 km, Out= 2.61 km)

640795 CH 238 D
Lat= 20 38 13.3, Lng= 156 23 24.0
0.01 kW 410.7 M HAAT, 833 M COR
Prot.= 60 dBu, Intef.= 100 dBu

634594 CH 241 D BNPFT20030313AMC
Lat= 20 44 32.0, Lng= 156 18 48.0
0.01 kW 157.6 M HAAT, 1228 M COR
Prot.= 60 dBu, Intef.= 100 dBu

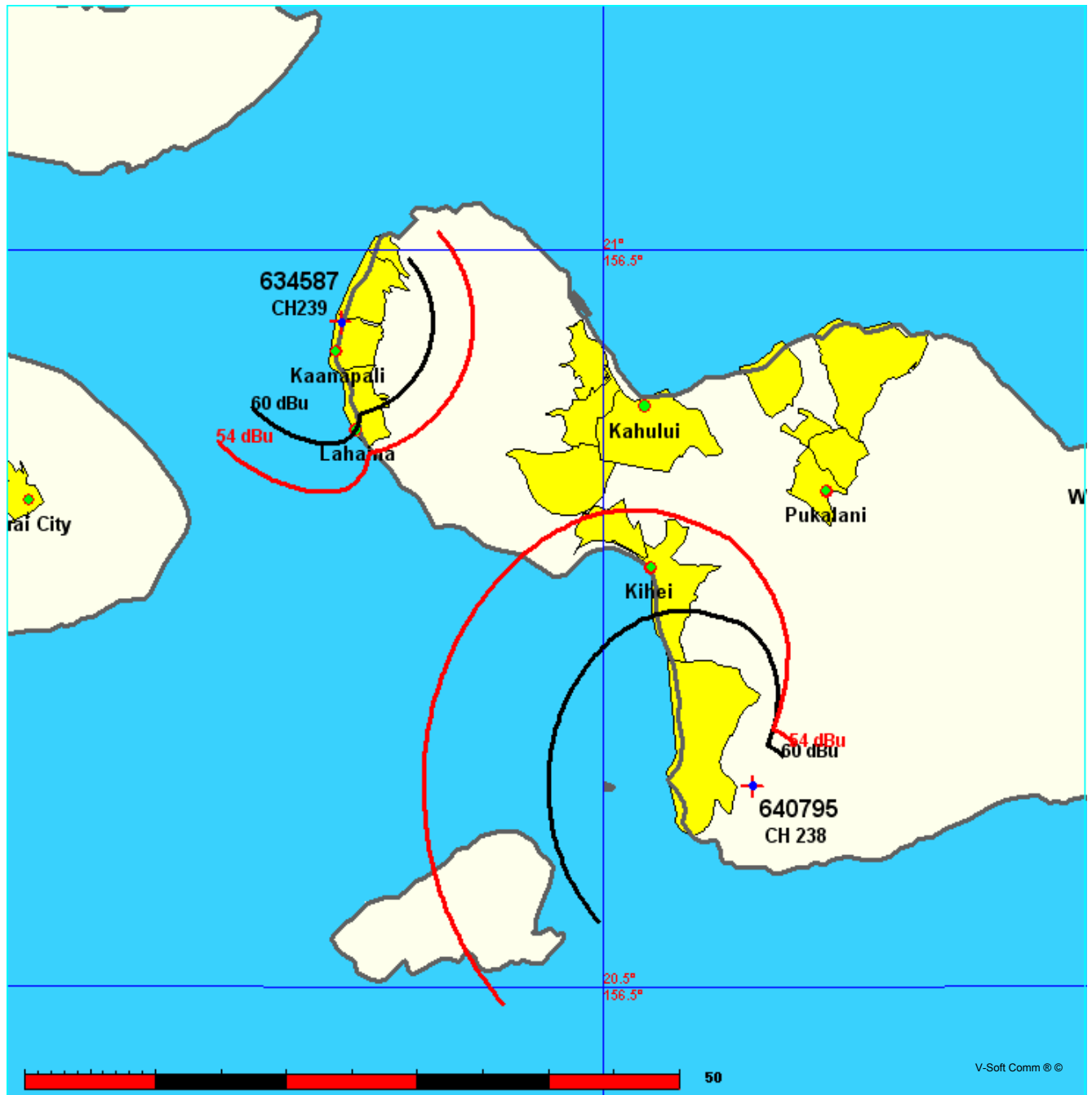


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FMCommander Single Allocation Study - 06-17-2013 - FCC NGDC 30 Sec
640795's Overlaps (In= 21.54 km, Out= 15.45 km)

640795 CH 238 D
Lat= 20 38 13.3, Lng= 156 23 24.0
0.01 kW 410.7 M HAAT, 833 M COR
Prot.= 60 dBu, Intef.= 54 dBu

634587 CH 239 D BNPFT20030313AMQ
Lat= 20 57 06.0, Lng= 156 41 38.0
0.25 kW -99.7 M HAAT, 50 M COR
Prot.= 60 dBu, Intef.= 54 dBu



**AFFIDAVIT AND QUALIFICATIONS OF
DONALD E. MUSSELL JR.**

State of Hawaii)
Kilauea)
County of Kauai)

Donald E. Mussell Jr. affirms that he is a consulting radio and electronics engineer; that he is Certified as a Broadcast Engineer, Class 1, by the National Association of Radio and Telecommunications Engineers, Inc., License #E1-00619, issued in 1985;

That he is recognized as a Broadcast Technologist by the Society of Broadcast Engineers, License # 22301, and a member of the Society of Broadcast Engineers since 1980;

That he held a First Class Radiotelephone License from 1975 until 1985, when it was replaced by a lifetime General Class Radiotelephone license (PG-12-20588), issued by the Federal Communications Commission in January of 1985;

That he has submitted many applications to the Federal Communications Commission for broadcast and auxiliary broadcast construction permits and licenses, and that his experience in Radio and Television broadcast engineering extends over four decades;

That he declares, under penalty of perjury, that the foregoing engineering exhibits were prepared by him or under his direction and supervision; and that the statements contained therein are true and correct to the best of his belief and knowledge.

A handwritten signature in black ink, appearing to read 'Donald E. Mussell Jr.', with a stylized, cursive script.

Donald E. Mussell Jr. NCE-CBT
Consulting Engineer
June 18, 2013