

KAUAI ONE

4/12/2023

PRB RESULTS: **AFS SIGNED AND COMPLETE**

Division Manager Signed. Status changed to Signed and Complete.

KAUAI ONE

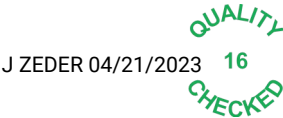
REQUESTED BY: AJV-A

PRB RESULTS: **RETURN FOR REWORK**

MISSING DOCUMENTATION:

- ENVIRONMENTAL DOCUMENTATION
- SAT FLIGHT INSPECTION PC

Flight Procedures Cover Page	Task Action: FLIGHT CHECK	Task Type: Graphical DP	Estimated Chart Date: 04/20/2023	APWS Task ID: E4D1B8DCA5674934951CA283E7C24F2D	APWS Project ID: 511671E6F57E47599A5B22AC39CA680C
Procedure: KAUAI ONE DEPARTURE (OBSTACLE)		Enroute: YES	Specialist: Cyrus, Theron		Agreement Number:
Airport ID: PHLI			Airport City: LIHUE		State: HI
Facility ID:	Facility Type:	Flight Inspection Remark Type: New FC Slot			
<div>Procedure Comments:</div> <div>CANCEL NOTAM 0/5015 UPON PUBLICATION.</div> <div>ACTIVE AIRPORT AND RUNWAY DATA USED FOR PHLI.</div> <div>AFS APPROVAL LETTER (1): CLIMB GRADIENT EXCEEDS 500 FEET PER NM.</div> <div>CONTACT CASIMIR TABAKA 405 202 7857.</div> <div>04/21/2023: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 01/12/2023.</div> <div>MSA: RADIALS /ALTITUDE CHANGED FROM 180-050 3500, 050-180 6500 TO 360--230 3500, 230-360 6400.</div>					



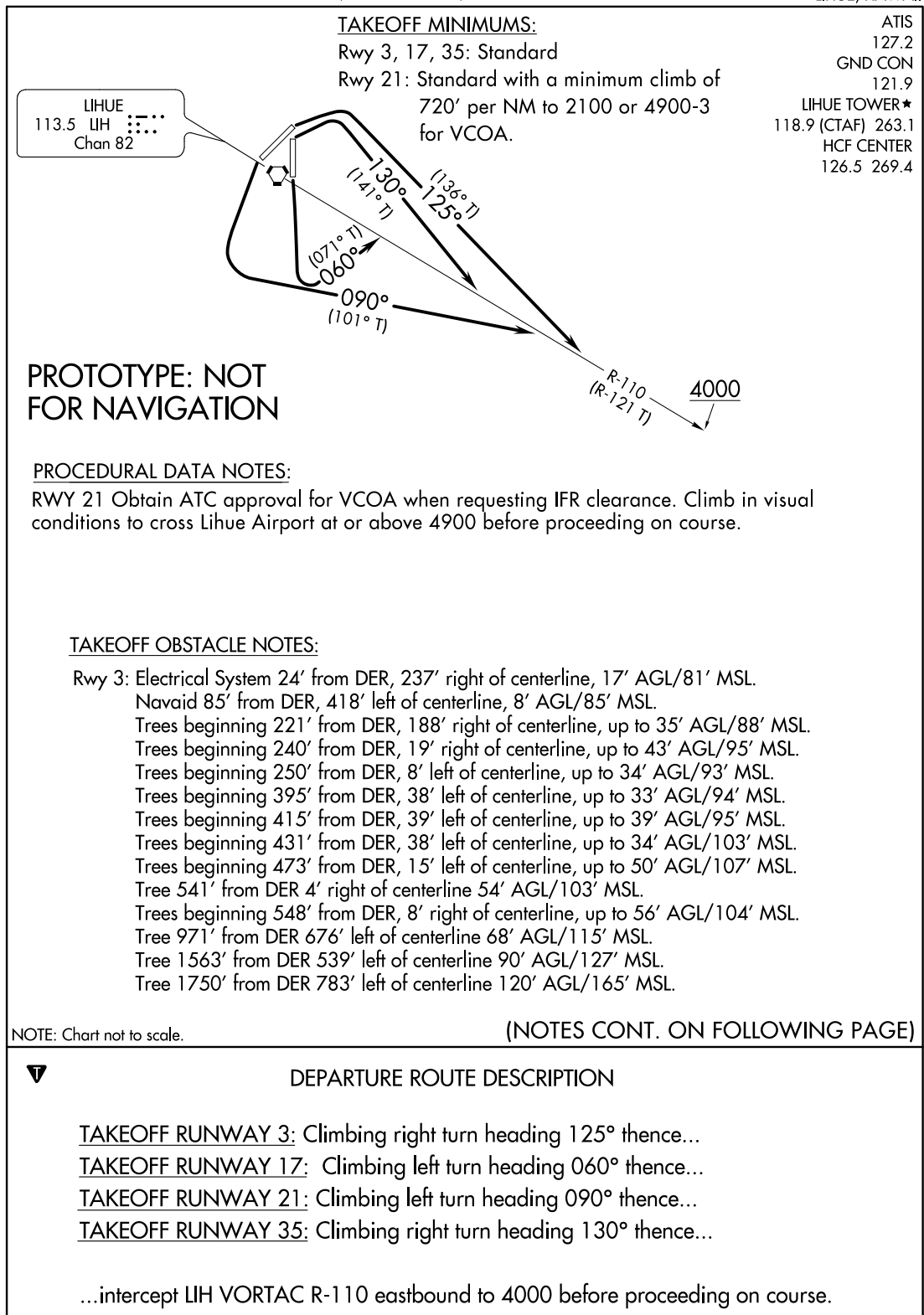
<b>FIPC BASIC FORM</b>							
<b>PROCEDURE:</b> KAUAI ONE DEPARTURE (OBSTACLE)			<b>AIRPORT NAME:</b> LIHUE		<b>AIRPORT ID:</b> PHLI	<b>SPECIAL CONTROL NO:</b> PP-02-256-23	
<b>FAC ID:</b> KAUAI1		<b>CITY:</b> LIHUE			<b>ST:</b> HI	<b>ORIG CHART DATE:</b> 06/15/2023	
<b>DFL TYPE:</b> PROC/T	<b>THIRD PARTY:</b> <input type="checkbox"/> YES	<b>EST. TIME ON SITE:</b> 0.4	<b>REIMB. NUMBER:</b>		<b>PTS TASK ID:</b> E4D1B8DCA5674934951CA283E7C24F2D		
<b>PREFLIGHT NOTES</b>							
<b>REVIEWER:</b>					<b>DATE:</b>		
<b>COMMENTS:</b>					<b>CHECK ONE:</b>		
					<input type="checkbox"/> FLT CK REQ <input type="checkbox"/> NFCR <input type="checkbox"/> REJECT		
							<b>YES</b>
					<b>CPV COMPLETE?</b>		<b>X</b>
<b>PROCEDURE RESULTS</b>							
<b>INSPECTION DATE:</b> 03/24/2023		<b>CREW #:</b> VN476	<b>N #:</b> N90	<b>INSTRUMENT PROCEDURE STATUS:</b> <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT W/CHANGES <input type="checkbox"/> UNSAT		<b>ARINC CODING:</b> <input type="checkbox"/> SAT <input type="checkbox"/> SAT/GOLD <input type="checkbox"/> UNSAT	
<b>FLIGHT INSPECTOR SIGNATURE:</b> matthew a haug @ 03/26/2023 01:40			<b>PRINTED NAME:</b> HAUG, MATTHEW ALAN			<b>NOTAM INITIATED?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
<b>FLIGHT INSPECTOR REMARKS:</b> Special completed SAT.							
<b>IN-FLIGHT OBSTACLE REPORT</b>							
<b>OBSTRUCTION ID #:</b>	<b>COORDINATES OR LOCATION:</b>		<b>GNSS ALTITUDE (MSL):</b>		<b>BAROMETRIC ALTITUDE (MSL):</b>		<b>HEIGHT ABOVE GROUND LEVEL:</b>

(KAUAI 1.KAUAI ) FIG

# KAUAI ONE DEPARTURE (OBSTACLE) AL-776 (FAA)

LIHUE (LIH)(PHLI)

LIHUE, HAWAII



AUTOMATED AL-776 KAUAI DEPARTURE (OBSTACLE)

PAC

12 DEC 2022

COMPILER: CG

REVIEWER:

DBL CHKR:

EFF: FIG

KAUAI ONE DEPARTURE (OBSTACLE)

(KAUAI 1.KAUAI ) FIG

LIHUE, HAWAII

LIHUE (LIH)(PHLI)

TAKEOFF OBSTACLE NOTES (Cont):

- Rwy 17: Lighting 4' from DER 6' left of centerline 2' AGL/94' MSL.  
 Tree 135' from DER 273' right of centerline 10' AGL/95' MSL.  
 Trees beginning 858' from DER, 565' right of centerline, up to 45' AGL/131' MSL.  
 Tree 1289' from DER 734' right of centerline 57' AGL/132' MSL.  
 Pole 703' from DER 283' left of centerline 20' AGL/1030' MSL.  
 Pole 812' from DER 283' left of centerline 20' AGL/1031' MSL.  
 Pole beginning 922' from DER 283' left of centerline 20' AGL/1032' MSL.
- Rwy 21: Lighting 8' from DER 54' left of centerline 3' AGL/154' MSL.  
 Lighting 9' from DER 55' right of centerline 3' AGL/155' MSL.  
 Terrain 33' from DER 457' right of centerline 156' MSL.  
 Pole 191' from DER 546' left of centerline 44' AGL/183' MSL.  
 Pole 366' from DER 550' left of centerline 46' AGL/184' MSL.  
 Tree, Pole beginning 496' from DER, 563' left of centerline, up to 70' AGL/206' MSL.  
 Trees beginning 1148' from DER, 231' right of centerline, up to 42' AGL/203' MSL.  
 Tree 1456' from DER 185' right of centerline 67' AGL/212' MSL.  
 Trees beginning 1465' from DER, 53' right of centerline, up to 77' AGL/230' MSL.  
 Trees beginning 1509' from DER, 62' right of centerline, up to 87' AGL/241' MSL.  
 Tree 1535' from DER 3' left of centerline 70' AGL/208' MSL.  
 Tree, pole beginning 1660' from DER, 9' right of centerline, up to 96' AGL/248' MSL.  
 Trees beginning 1903' from DER, 267' left of centerline, up to 68' AGL/217' MSL.  
 Tree 2016' from DER 280' left of centerline 70' AGL/218' MSL.  
 Trees beginning 2028' from DER, 296' left of centerline, up to 73' AGL/221' MSL.  
 Trees beginning 2221' from DER, 337' left of centerline, up to 82' AGL/227' MSL.  
 Tree 3101' from DER 442' left of centerline 107' AGL/231' MSL.  
 Trees beginning 2.1 NM from DER, 2127' left of centerline, up to 3' AGL/896' MSL.  
 Tree 2.2 NM from DER 2974' left of centerline 25' AGL/947' MSL.  
 Trees beginning 2.2 NM from DER 3497' left of centerline 212' AGL/1329' MSL.  
 Trees beginning 2.3 NM from DER 2748' left of centerline 100' AGL/1390' MSL.  
 Trees beginning 2.3 NM from DER 4232' left of centerline 100' AGL/1413' MSL.  
 Trees beginning 2.3 NM from DER 3672' left of centerline 2' AGL/1474' MSL.  
 Tree 2.4 NM from DER 4032' left of centerline 100' AGL/1488' MSL.  
 Trees beginning 2.4 NM from DER 2596' left of centerline up to 100' AGL/1488' MSL.
- Rwy 35: Fence 40' from DER 309' right of centerline 13' AGL/94' MSL.  
 Tree 107' from DER 436' right of centerline 19' AGL/100' MSL.  
 Trees beginning 203' from DER, 379' right of centerline, up to 51' AGL/131' MSL.

PROTOTYPE: NOT  
FOR NAVIGATION

AUTOMATED AL-776 KAUAI DEPARTURE (OBSTACLE)

PAC

16 DEC 2022

COMPILER: CG

REVIEWER:

DBL CHKR:

EFF: FIG



# Federal Aviation Administration

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## Memorandum

Date:

To: Manager, Flight Procedures and Airspace Group

From: Lonnie Everhart  
Manager, Aero Nav Services Terminal Procedures and Charting Team

Subject: **ACTION:** Approval Request

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KAUAI Obstacle Departure Procedure, Lihue Airport, Lihue, HI (PHLI).

Climb gradient exceeds 500 ft/NM, 8260.46JJ, Para. 2-1-1.d.(2)

The computed climb gradient for RWY 21 is 720 ft/NM to 2100 MSL. The obstacle driving this climb gradient is a 1474 feet MSL tree. The location of this obstacle makes it impossible to design a departure procedure to avoid the possible penetration.

Request approval to publish a minimum climb gradient of 720 ft/NM to 2100 to allow 40:1 obstacle penetrations to be avoided. Any aircraft unable to meet 720 ft/NM climb gradient can conduct VCOA.

Attachment:

TARGETS Evaluations - KAUAI ONE (PHLI) ODP RWY 21.

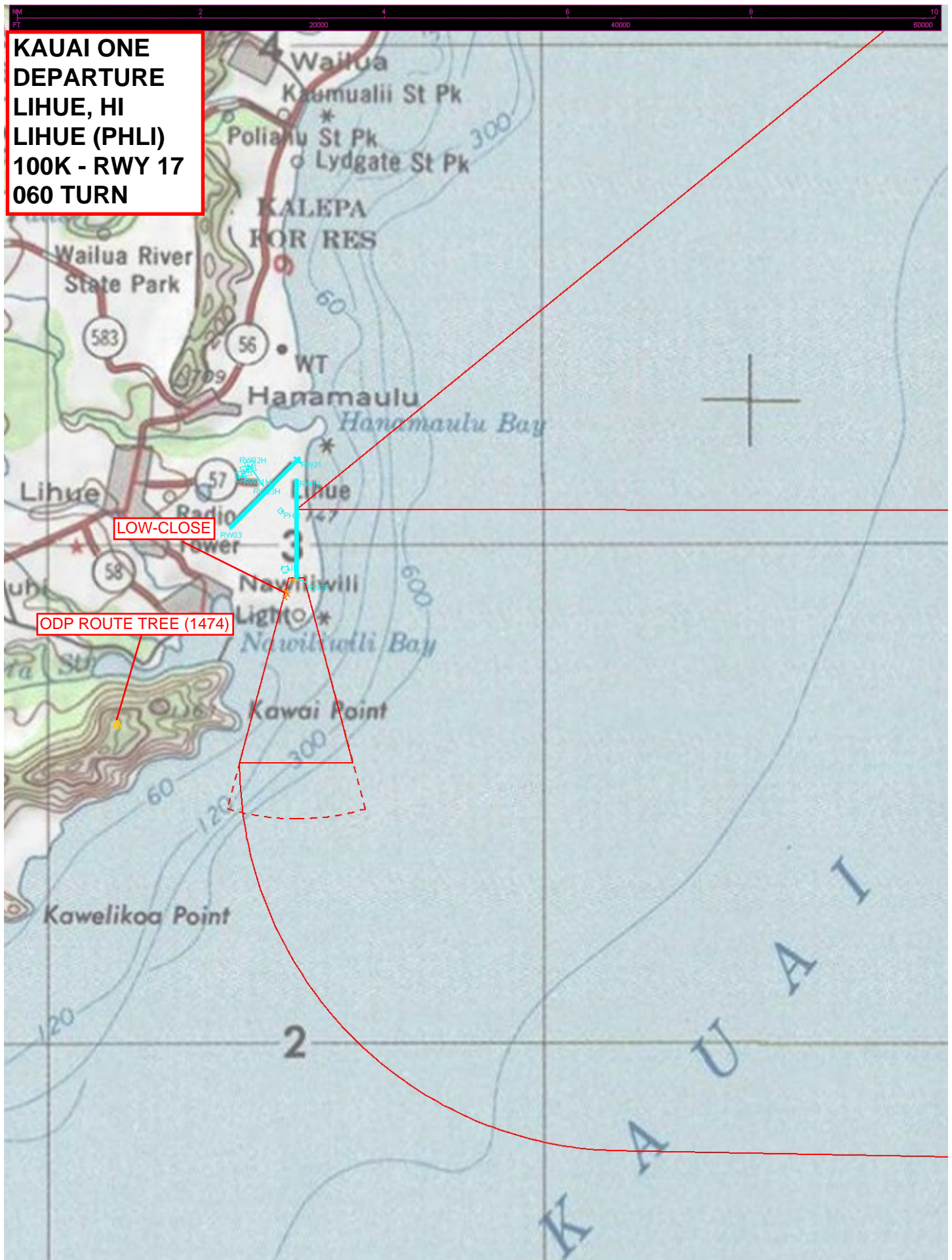
**KAUAI ONE  
DEPARTURE  
LIHUE, HI  
LIHUE (PHLI)  
100K - RWY 3  
125 TURN**

**LOW-CLOSE**

ODP ROUTE TREE (1474)



**KAUAI ONE  
DEPARTURE  
LIHUE, HI  
LIHUE (PHLI)  
100K - RWY 17  
060 TURN**





**KAUAI ONE  
DEPARTURE  
LIHUE, HI  
LIHUE (PHLI)  
100K - RWY 21  
090 TURN**

**LOW-CLOSE**

CG/CGTA TREE  
1474 (15-027052)

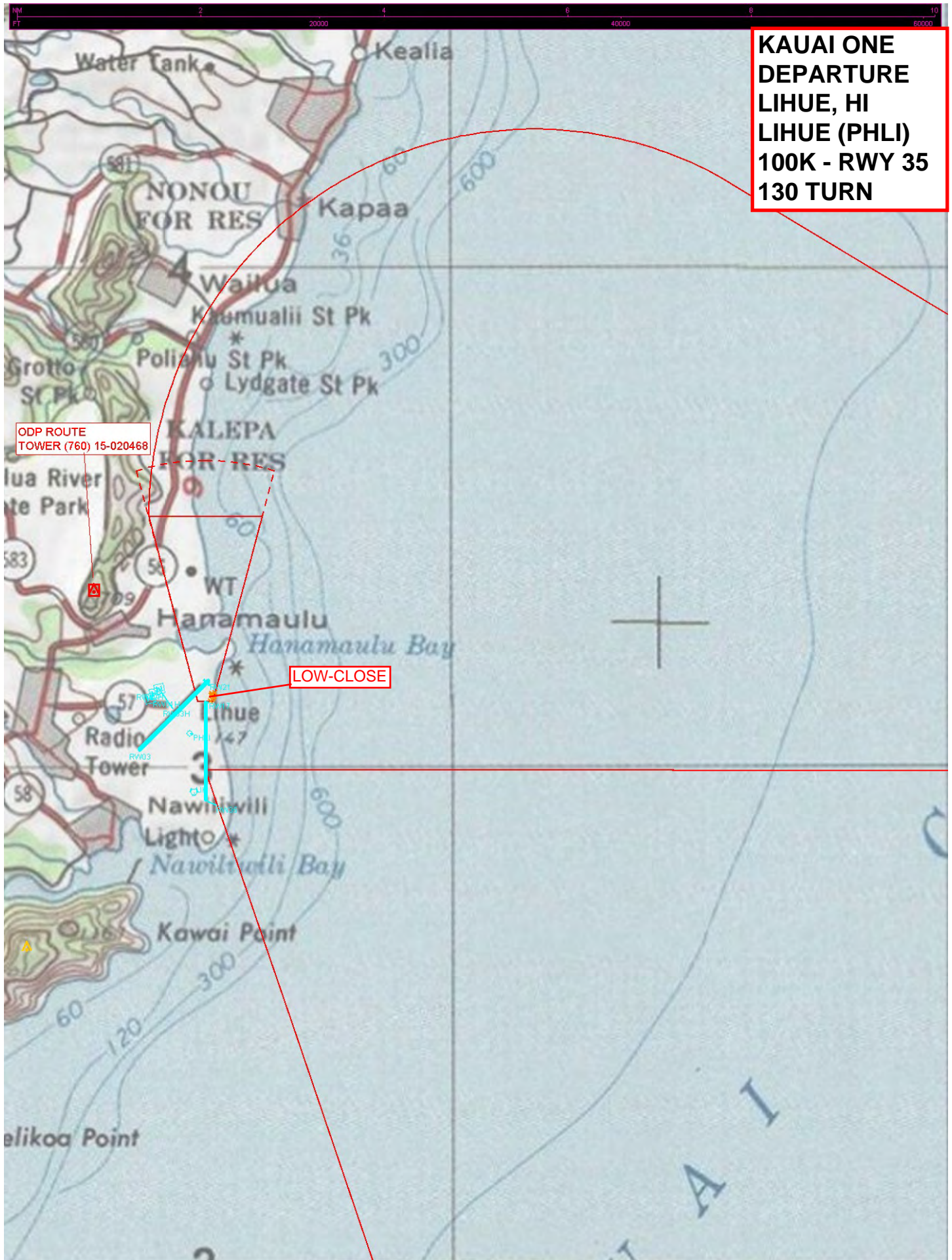
ODP ROUTE AAO (2389)



KAUAI ONE  
DEPARTURE  
LIHUE, HI  
LIHUE (PHLI)  
100K - RWY 21  
VCOA







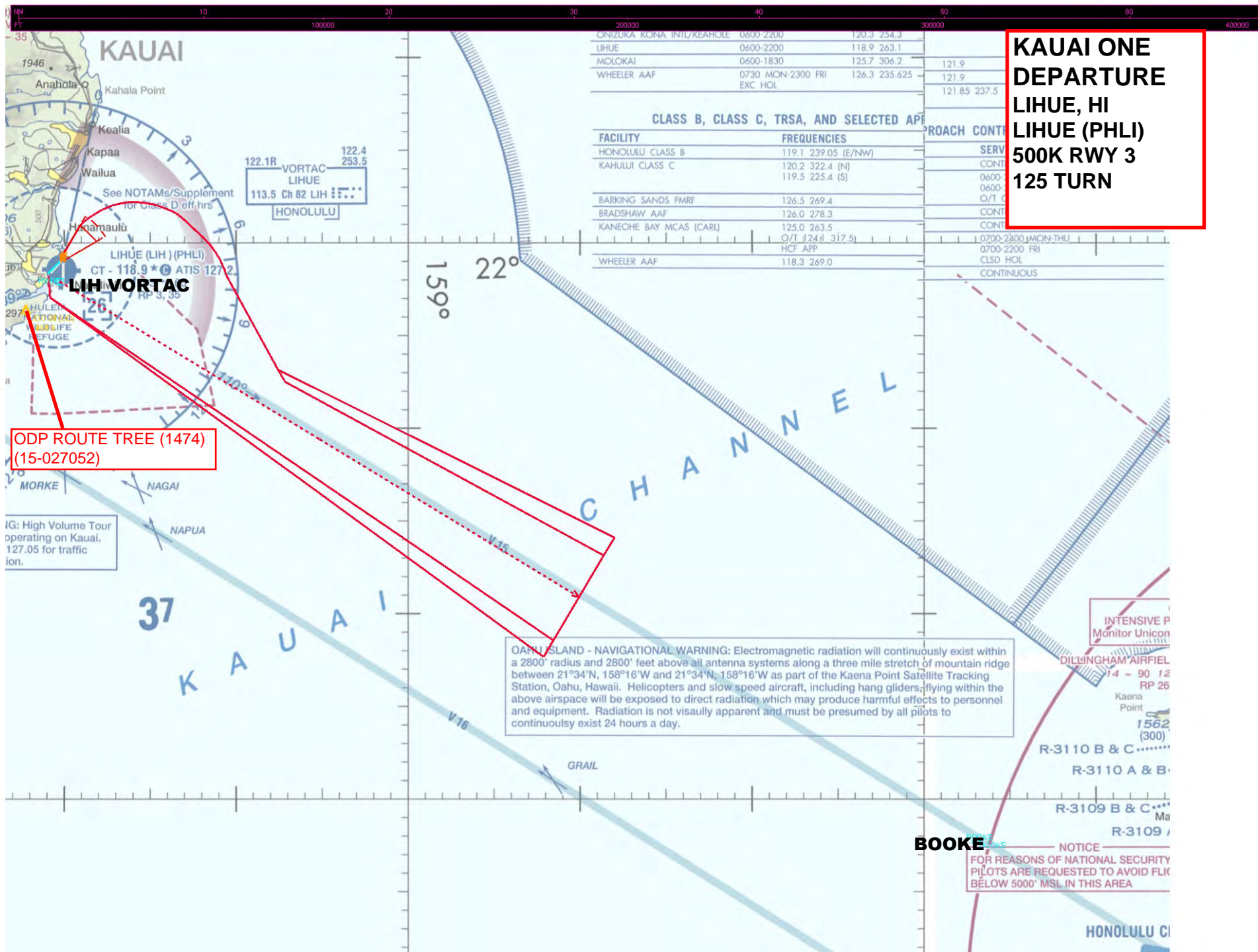
**KAUAI ONE  
DEPARTURE  
LIHUE, HI  
LIHUE (PHLI)  
100K - RWY 35  
130 TURN**

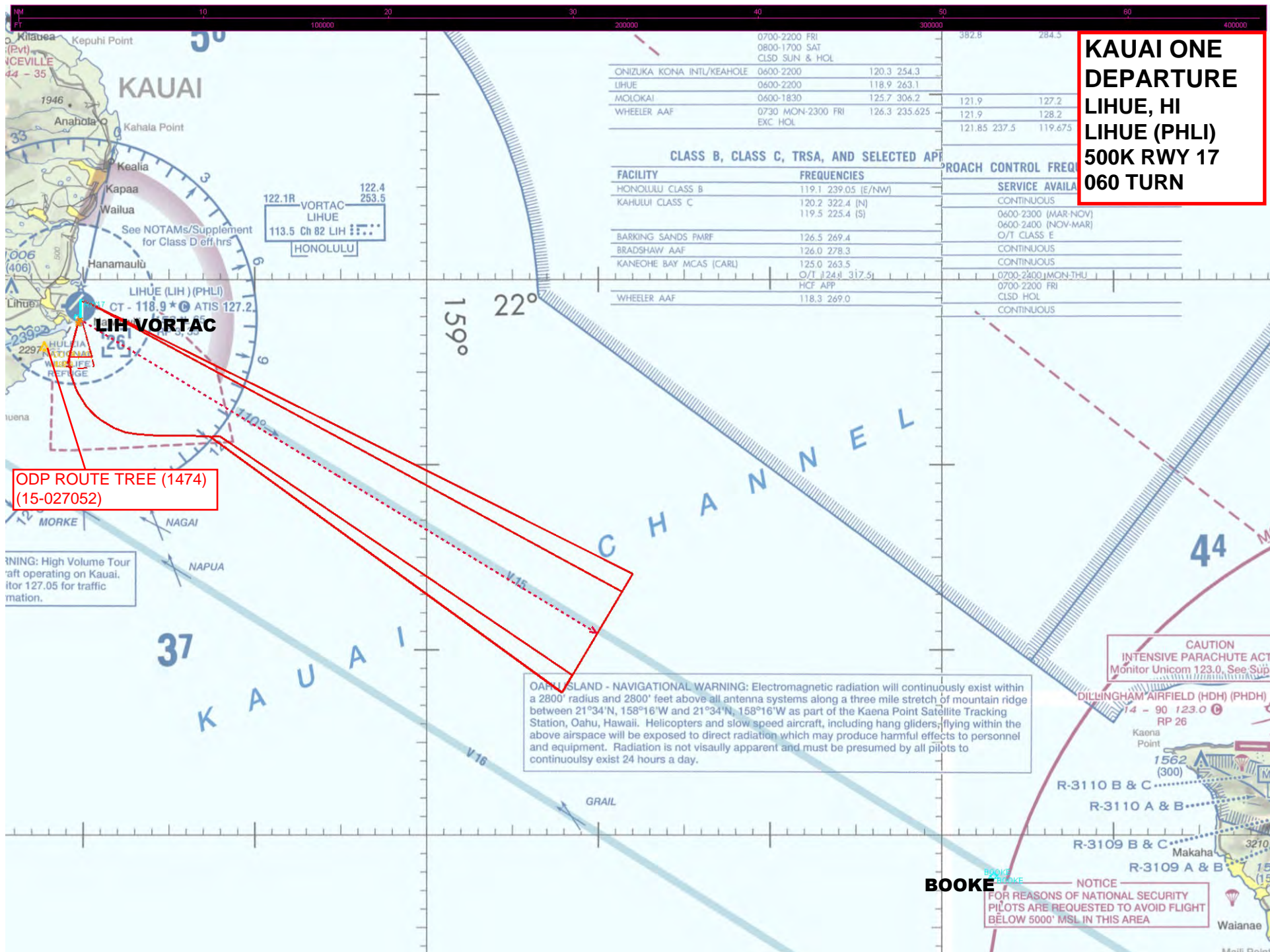
**ODP ROUTE  
TOWER (760) 15-020468**

**LOW-CLOSE**

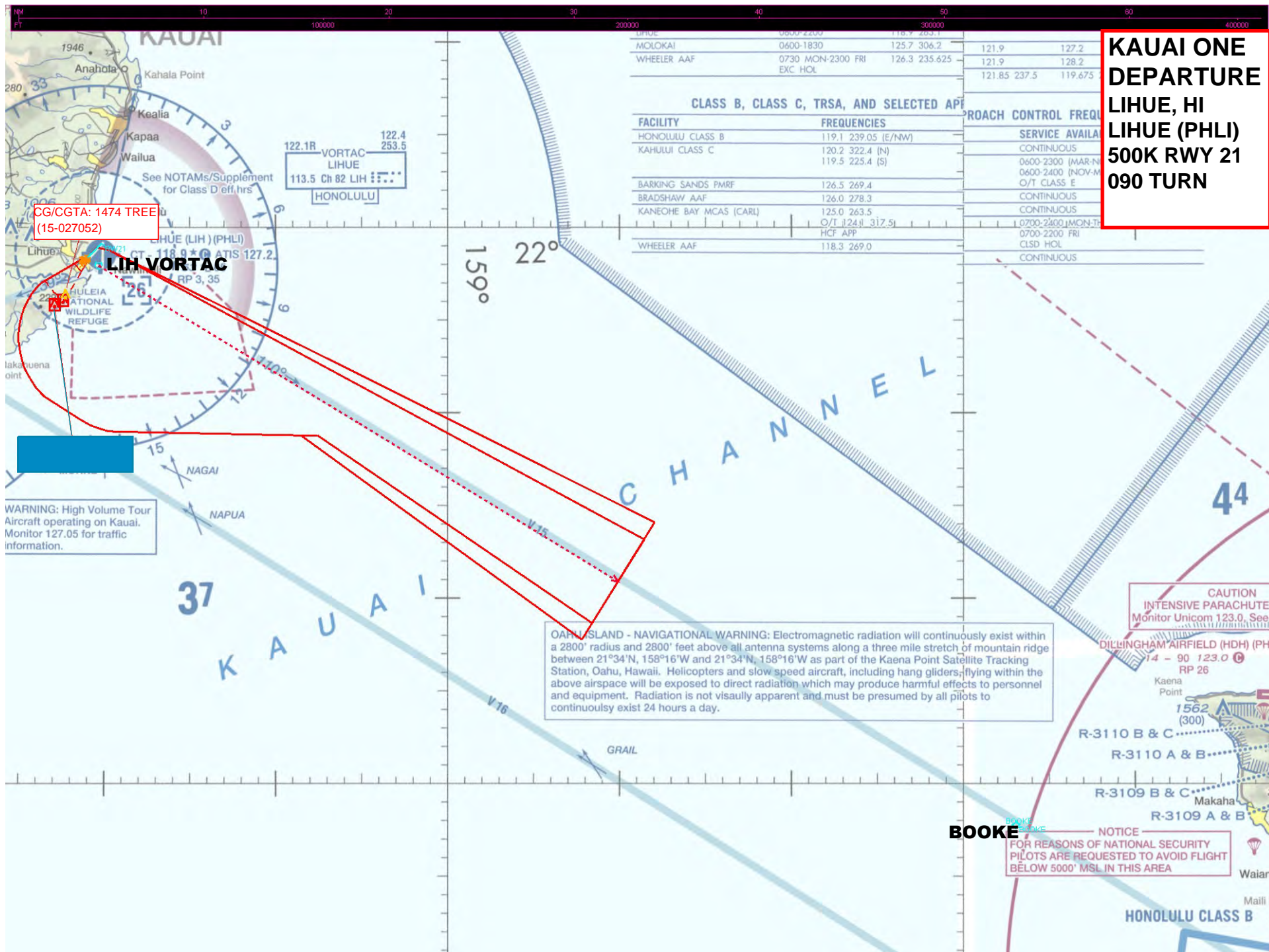
**A**



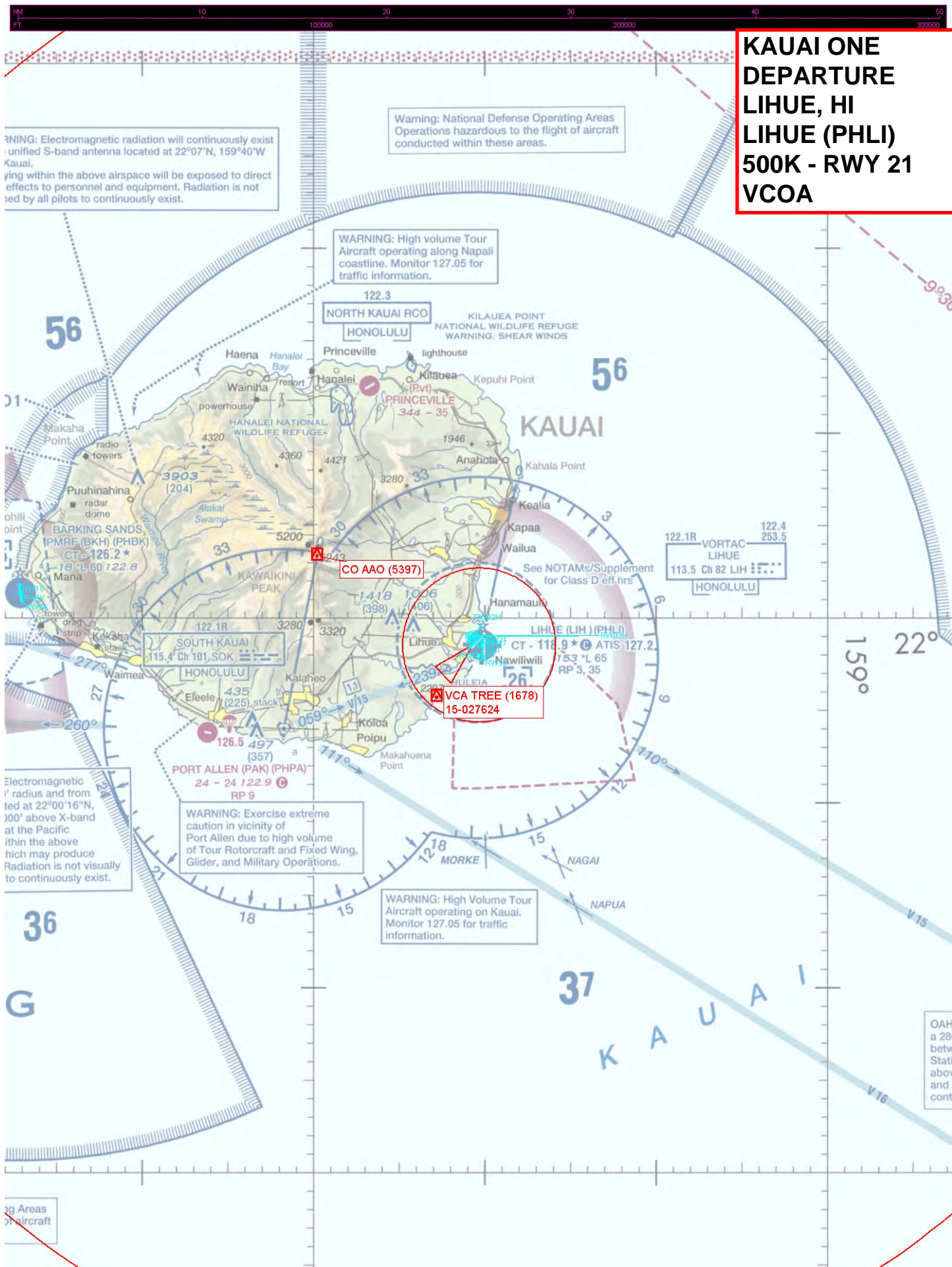












**KAUAI ONE  
DEPARTURE  
LIHUE, HI  
LIHUE (PHLI)  
500K - RWY 21  
VCOA**

WARNING: Electromagnetic radiation will continuously exist within the unified S-band antenna located at 22°07'N, 159°40'W Kauai. Flying within the above airspace will be exposed to direct effects to personnel and equipment. Radiation is not reduced by all pilots to continuously exist.

Warning: National Defense Operating Areas Operations hazardous to the flight of aircraft conducted within these areas.

WARNING: High volume Tour Aircraft operating along Napali coastline. Monitor 127.05 for traffic information.

122.3  
NORTH KAUAI RCO  
HONOLULU

KILAUEA POINT  
NATIONAL WILDLIFE REFUGE  
WARNING: SHEAR WINDS

122.1R VORTAC  
LIHUE  
113.5 Ch 82 LIH  
HONOLULU

CO AAO (5397)

VCA TREE (1678)  
15-027624

Electromagnetic radiation will continuously exist within the unified S-band antenna located at 22°00'16"N, 159°40'W above X-band at the Pacific. Flying within the above airspace will be exposed to direct effects to personnel and equipment. Radiation is not reduced by all pilots to continuously exist.

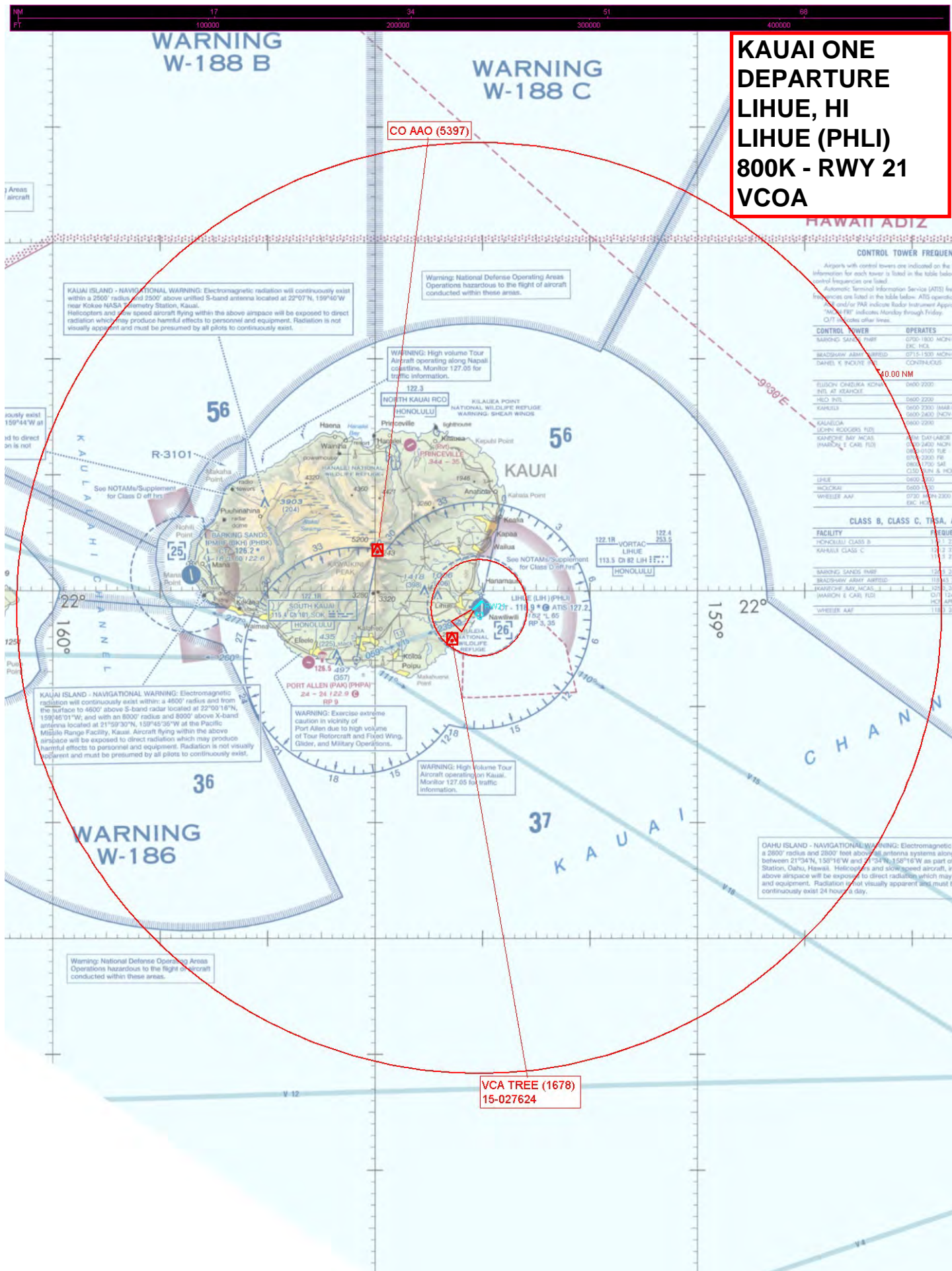
PORT ALLEN (PAK) (PHPA)  
24 - 24 122.9  
RP 9

WARNING: Exercise extreme caution in vicinity of Port Allen due to high volume of Tour Rotorcraft and Fixed Wing, Glider, and Military Operations.

WARNING: High Volume Tour Aircraft operating on Kauai. Monitor 127.05 for traffic information.

OAH a 281  
Statl  
abov  
and  
cont







	0800-1700 SAT CLSD SUN & HOL				
ONIZUKA KONA INTL/KEAHOLE	0600-2200	120.3	254.3		
LIHUE	0600-2200	118.9	263.1		
MOLOKAI	0600-1830	125.7	306.2	121.9	127.2
WHEELER AAF	0730 MON-2300 FRI EXC HOL	126.3	235.625	121.9	128.2
				121.85	237.5
				119.675	242.4

CLASS B, CLASS C, TRSA, AND SELECTED APP		APPROACH CONTROL FREQUENCIES
FACILITY	FREQUENCIES	SERVICE AVAILABILITY
HONOLULU CLASS B	119.1 239.05 (E/NW)	CONTINUOUS
KAHULUI CLASS C	120.2 322.4 (N) 119.5 225.4 (S)	0600-2300 (MAR-NOV) 0600-2400 (NOV-MAR) O/T CLASS E
BARKING SANDS PMRF	126.5 269.4	CONTINUOUS
BRADSHAW AAF	126.0 278.3	CONTINUOUS
KANEHE BAY MCAS (CARL)	125.0 263.5 O/T #24.1 317.5	CONTINUOUS
	HCF APP	0700-2200 MON-THU
WHEELER AAF	118.3 269.0	0700-2200 FRI CLSD HOL
		CONTINUOUS

VG: High Volume Tour  
operating on Kauai.  
127.05 for traffic  
tion.

**OAHU ISLAND - NAVIGATIONAL WARNING:** Electromagnetic radiation will continuously exist within a 2800' radius and 2800' feet above all active antenna systems along a three mile stretch of mountain ridge between 21°34'N, 158°16'W and 21°34'N, 158°16'W as part of the Kaena Point Satellite Tracking Station, Oahu, Hawaii. Helicopters and slow speed aircraft, including hang gliders, flying within the above airspace will be exposed to direct radiation which may produce harmful effects to personnel and equipment. Radiation is not visually apparent and must be presumed by all pilots to continuously exist 24 hours a day.

**CAUTION**  
INTENSIVE PARACHUTE ACTIVITIES  
Monitor Unicom 123.0, See Supplement

DILLINGHAM AIRFIELD (HDH) (PHDH)  
14 - 90 123.0 

**NOTICE**  
FOR REASONS OF NATIONAL SECURITY  
PILOTS ARE REQUESTED TO AVOID FLIGHT  
BELOW 5000' MSL IN THIS AREA

BOOKE