

TCB**GRANT OF EQUIPMENT
AUTHORIZATION****TCB**

Certification
Issued Under the Authority of the
Federal Communications Commission
By:

**UL Verification Services Inc. (formerly UL
CCS)**
47173 Benicia Street
Fremont, CA 94538

Date of Grant: 04/19/2022**Application Dated: 04/19/2022**

University of Hawaii
1000 POPE RD
MARINE SCIENCE BLDG 402
HONOLULU, HI 968222336

Attention: Pierre Flament , Researcher

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is
VALID ONLY for the equipment identified hereon for use under the Commission's Rules
and Regulations listed below.

FCC IDENTIFIER: 2A562-MK3-PW-PA-TX**Name of Grantee: University of Hawaii****Equipment Class: Licensed Non-Broadcast Station Transmitter****Notes: Oceanographic High Frequency Doppler Radar**

| <u>Grant Notes</u> | <u>FCC Rule Parts</u> | <u>Frequency Range (MHZ)</u> | <u>Output Watts</u> | <u>Frequency Tolerance</u> | <u>Emission Designator</u> |
|--------------------|-----------------------|----------------------------------|-------------------------|--------------------------------|--------------------------------|
| | 90 | 4.438 - 4.488 | 23.66 | 100.0 PM | 48K4F1N |
| | 90 | 5.25 - 5.275 | 25.23 | 100.0 PM | 23K1F1N |
| | 90 | 13.45 - 13.55 | 15.17 | 100.0 PM | 98K6F1N |
| | 90 | 16.1 - 16.2 | 15.0 | 100.0 PM | 98K7F1N |
| | 90 | 24.45 - 24.65 | 16.14 | 100.0 PM | 192KF1N |
| | 90 | 26.2 - 26.42 | 15.6 | 20.0 PM | 211KF1N |

Output power listed is EIRP. This device must be installed to provide a separation distance of at least 10.66m, 3.55m and 2.3m for device operating below 10MHz, between 10-20MHz and above 20MHz from all persons, respectively. It must not be collocated or operating in conjunction with any other antenna or transmitter except in accordance with FCC multi-transmitter product procedures. End-Users must be provided with transmitter operation conditions for satisfying RF exposure compliance.