



Permissive Change Request

Federal Communication Commission

Equipment Authorization Division, Application Processing Branch
7435 Oakland Mills Road
Columbia, MD 21048

Request for Permissive Change

We, Deeper UAB, hereby request a permissive change pursuant to CFR § 2.1043 as follows.
Original application granted on **07/26/2021** for FCC ID: **2AHK0-CRP**

Reason: Hardware optimization and improvements under this application.
The changes listed below are considered with no impact to specifications of the transceivers or degradation to currently approved radio parameters filed under this application.

Changes from the variant **DP4H10S10** certified on 05-23-2023 are mentioned in the table


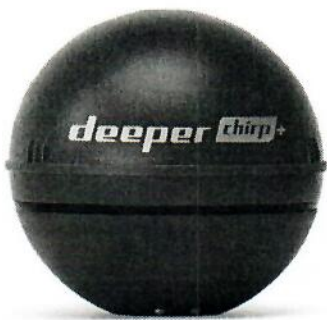
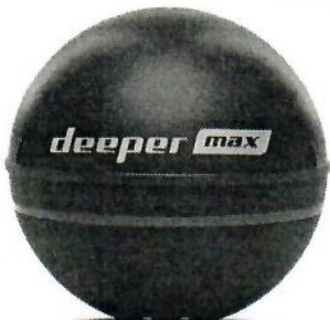
Variant	Differences from the DP4H10S10
DP4H11S10	<ul style="list-style-type: none">• USB connector not changed.• GPS receiver changed from Origin (P/N - O RG 1510-M K-05) to uBlox (P/N - MAX-M10S-00B).• GPS antenna orientation and placement was changed.• PCB layout was changed to accommodate new GPS.• For the current battery P/N: LP103333JU, an alternative substitute P/N: ZN103333 was selected and could be used
DP4H12S10	<ul style="list-style-type: none">• USB connector not changed.• GPS receiver changed from Origin (P/N - O RG 1510-M K-05) to uBlox (P/N - MAX-M10S-00B).• GPS antenna orientation and placement was changed.• PCB layout was changed to accommodate new GPS.• For the current battery P/N: LP103333JU, an alternative substitute P/N: ZN103333 was selected and could be used
DP4H13S10 DP6H13S10 DP6H13S11	<ul style="list-style-type: none">• USB connector was changed to USB-C GCT_USB4120-03-C.• GPS receiver changed from Origin (P/N - O RG 1510-M K-05) to uBlox (P/N - MAX-M10S-00B).• GPS antenna orientation and placement was changed.• PCB layout was changed to accommodate new GPS.• For the current battery P/N: LP103333JU, an alternative substitute P/N: ZN103333 was selected and could be used
DP4H23S10 DP6H23S10	<ul style="list-style-type: none">• USB connector was changed to USB-C GCT_USB4120-03-C.• GPS receiver – not mounted.• GPS antenna – not mounted.• PCB layout was changed for GPS. But in this version GPS not mounted.• For the current battery P/N: LP103333JU, an alternative substitute P/N: ZN103333 was selected and could be used



Differences Between Variants

Variant	Product	Enclosure	GPS	USB Connector	Firmware
DP4H11S10	chirp+2	Brown	Antenna 0 ^o	Micro USB	chirp+2 FW
DP4H12S10		Brown	Antenna 45 ^o	USB Type-C	
DP4H13S10		Brown			
DP6H13S10	chirp+3	Brown/Green			chirp+3 FW Compared to chirp+2 FW: if shallow waters detected increases sampling resolution; can charge battery and make measurements at the same time; through USB connection and UART protocol can send data in NMEA format
DP6H13S11	max	Gray			Same as chirp+3 FW GPS data is send not in real time
DP4H23S10	chirp2	Brown			GPS Receiver and Antenna DNP
DP6H23S10	chirp3	Brown/Green	Same as chirp+3 FW GPS data is not sent		

Colors of Deeper Chirp models

		
Brown	Brown/Green	Gray



The following new exhibits will be uploaded:

- Test report on radiated measurements
- Block Diagram
- Circuit Diagram
- PCB layout
- Label design
- Manuals

Date: 05-08-2025

Name: Osvaldas Putkis

Function: Chief Technology Officer

Signature: 