

October 9, 2024



HDARC TEST EQUIPMENT LOAN SERVICE

PURPOSE. The purpose of the HDARC Test Equipment Loan Service is to make club test equipment available, on a limited time basis, to current HDARC members in good standing. The test equipment are typically items needed for short duration use on ham radio tasks that are occasionally involved in completion of individual member operations such as antenna tuning, RFI detection, and antenna field mapping. The equipment is the property of High Desert Ham Radio Club.

LOAN EQUIPMENT ELIGIBILITY. Only those current members in good standing can request and operate pieces of HDARC test equipment. The request will be compared with the current membership list to establish a membership validation.

LOAN PROCESS. The member needing test equipment shall contact Harvey Dove, KI5YVY, at doveduo2@gmail.com to schedule equipment pick up and return. At the time of pickup, the club member will be required to fill out a form containing address where equipment will be kept, member cell phone number, and member email address. The equipment loan period is three days with a three-day extension possible if no one has requested the equipment for an earlier pick-up date. It is the responsibility of the club member to return the equipment to the point of loan origin.

Each piece of test equipment will have a “users” manual to go with the instrument and a DVD demonstrating equipment use. The DVD’s will be made by club members knowledgeable of the operation of the specific test equipment. Club member volunteers will be recruited to make the individual DVD’s.

CLUB TEST EQUIPMENT AVAILABLE. Seven test equipment items are currently available for loan. They are:

Rig Expert, AA-650 Zoom, Antenna Analyzer, Range 0.01 – 650 MHZ, Purchased

Graphical SWR, and impedance, as well as Smith/polar chart displays are key features which significantly reduce the time required to adjust an antenna.

Zeenko, NanoVNA-H4, Handheld Vector Network Analyzer, Donated

A low cost yet high per (at its price point) vector network analyzer (VNA), with LCD display. The NanoVNA – H4 has become the most popular VNA and antenna analyzer project since its release in 2019.

MFJ 802B, Field Strength Meter, Range 100 KZ – 500MHZ, Purchased

This antenna meter shows the actual field being radiated from your antenna. Adjust a ground lead, artificial ground, counterpoise or tune your transmitter or antenna tuner for maximum field strength.

RFI Noise Detector (Not purchased yet)

This RFI detector tracks down RFI caused by radiating cables and wires. Find RFI generated by consumer devices, computers and high-tech office equipment.

MFJ – 263 Dry Dummy Load, Range VLF to VHF, Purchased

300-watt dry dummy load, good to 3 GHZ. Mounted on large, heavy-duty air cooled heatsink.

Oscilloscope, Donated

Soldering Kit, Donated

TEST EQUIPMENT LIABILITY. The club member using test equipment on loan from the Club shall be responsible for replacing any club equipment damaged or lost while in the member’s position.



HDARC REQUEST FOR TEST EQUIPMENT LOAN

Test Equipment to be loaned:

Name/Callsign:

Address:

Phone Number:

Email:

Today's Date: _____

Return Date: _____

I _____ acknowledge that I received this piece of test equipment in working order. If the equipment becomes damaged or lost while in my possession, I agree to pay for its repair or replacement in full within 30 days.

Member's Signature

Date

Witness Signature

Date