

Fall 2021 Ham Bootcamp Shopping Trip – November 20th, 2021

Amazon

- HT: [BaoFeng UV-5R on Amazon](#)

HRO

- HT: [Yaesu FT-60R](#)
- HT: [Icom ID-52A](#)
- HT: [Kenwood TH-D74A](#) (Kenwood site, availability?)
- HT: [Kenwood TH-D72A](#) (Best HT for single radio FM sats, purchase used)
- HT: [Whip Antenna - Diamond SRH](#) with correct bands and connector for your HT
- [Icom IC-2730A](#) Mobile/Base Transceiver
- [Icom ID-5100](#) Mobile/Base Transceiver
- [Kenwood TM-D710G](#) Mobile/Base Transceiver
- [Diamond X-50NA](#) Base Antenna
- [Diamond K400C/NMO](#) Lip Mount
- [Comet NCG SS-680SBNMO](#) NMO Antenna
- [RadioWAVZ 20-DP11 20m](#) Dipole Antenna

DX Engineering

- [RT Systems Radio Programming Software](#) - Get correct cable and SW for your radio ([RT Systems website](#))
- [ICOM IC-7300](#) HF Plus 50 MHz Transceiver
- [ICOM IC-7100](#) HF/VHF/UHF Transceiver (Good choice for Mobile HF)
- [ICOM IC-9700](#) VHF/UHF Transceiver (Base VHF/UHF radio for FM and Weak Signal work)
- [Astron Power Supplies](#) (30A or more for a 100w radio)
- [RIGrunner DC Outlet Panels](#) (Fusing and Power Distn.)
- Powerpole [Tools](#) and [Connectors](#)
- [Buckmaster OCF Dipole](#) (also [Buckmaster website](#))
- [Custom Coax Cables](#)
- [UCGC-Z Universal Copper Grounding Clamps](#)
- [Alpha Delta Coaxial Cable Surge Protectors](#)
- [Alpha Delta Coax Switches](#)
- [Dacron Antenna Support Rope](#)
- [Rope Guying Earth Anchors](#)
- [ONE SHOT Wire to Ground Rod Clamps](#)
- [Alpha Delta End Insulators](#)
- [Premium Antenna Wire](#)

- [RigExpert Antenna Analyzer](#)

Additional Gear

- [Balun Designs](#) - High Quality Baluns and Ununs
- Elecraft ([KX2](#) and [KX3](#) Portable Transceivers)
- [Max Gain Systems](#) (Masts)
- [Flex Radio Software Defined Radios](#) (SDRs)
- M2 Antenna Systems - [LEO Pack](#) (2m/70cm satellite antenna system)
- Green Heron Engineering - [Rotators and Controllers](#) (sats and HF)

Software

- [MacDoppler and MacLogger DX](#) - Mac-based SW for Satellites
- [PCSat32](#) - PC-based SW for Satellites
- [DXLab](#) and [Ham Radio Deluxe](#) - Logging programs
- [N1MM+](#) Contest Logger
- [WSJT-X](#) for FT8
- [Dimension 4 clock sync](#) software
- [JTAlert Bridge Software](#) for logging WSJT-X contacts

Satellite Demo:

MacDoppler Predictions: RS-44

Kep Set: 999
 Times: Local Time
 Location: Hollis NH USA
 Latitude: 42.7120 Degrees
 Longitude: -71.5902 Degrees
 Elevation: 103.0 Meters
 Run on: 2021/11/19 10:44:17 EST

Date	Time	Azimuth	Elevation	Downlink	Uplink
Rise:	2021/11/20 20:44:21	188.9	0.0	435.64874	145.96207
Max:	2021/11/20 20:54:48	279.5	81.6	435.64010	145.96497
Set:	2021/11/20 21:04:44	8.2	0.0	435.63115	145.96797

Additional Demonstrations:

- Connector Sealing Demo - [Coax Wrap](#) at HRO, Electrical Tape
- Coax Crimp Connector Demo - [Tools](#) and [connectors](#) at DXengineering