

# OFARC Monthly Meeting Minutes 2025\_0329

Meeting started at 0922 by Mark WB5ANN  
Our next meeting is at TranStar, April 26, 2025

<https://www.ofarc.org/documents/OFARC%20Activity%20Calendar%203-4-25.pdf>

Today's meeting is show and tell.

Barry has a couple of slot antenna presentations.

An Efficient 2 Meter Disguise Antenna Made From a TV Satellite Dish by John Portune W6NBC can be found on [YouTube.com](https://www.youtube.com), link below:


## An Efficient 2 Meter Antenna Disguised as a TV Satellite Dish

**This vertically polarized horizontal slot antenna, cut into the reflector of a TV dish, might be the ultimate stealth antenna.**

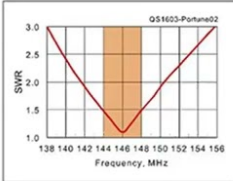
**John Portune, W6NBC**

I've long wondered if it would be practical to hide an efficient 2 meter base-station antenna in a TV satellite dish. My homeowners' association and restrictions (Covenants, Conditions, and Restrictions) wouldn't force me to take it down, but would all the metal in the TV dish compromise a 2 meter antenna? Finally, it struck me. I can't fight the metal, so I'll use it by cutting a half-wave slot into the metal and using the TV dish reflector.

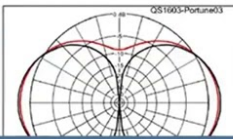
A slot antenna is a narrow rectangular opening in a conductive surface, such as a TV satellite dish. Slot antennas are familiar to many in the signal world. They're common in TV broadcasting, the skin of aircraft, and in radar, microwave, and cell phone applications. This TV dish (see Figure 1) slot is the complement to a dipole. It is also a great way to learn about slot antennas.



**Figure 1** — Note the low visibility of the slot in my modified satellite TV dish.




**Figure 2** — Bandwidth of a single-saw-blade-cut TV dish slot antenna.



## Slot Antenna For Ham Radio


John Portune W6NBC



## Dual-Band Satellite Dish Slot Antenna

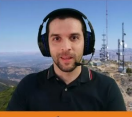
**Presented by Marcel Stieber AI6MS**

Presented at the QSO Today Virtual Ham Expo March 13<sup>th</sup> and 14<sup>th</sup>, 2021



## Dual-Band Satellite Dish Slot Antenna

By Marcel Stieber AI6MS



Specifically, there will be a club project at a future date to build a stealth 2m/70cm antenna as described here:

[https://www.youtube.com/watch?v=mH9\\_xW\\_QvVk](https://www.youtube.com/watch?v=mH9_xW_QvVk)

Hal brought a nano VNA for setting up antennas. NanoVNA Saver 0.7.3 Comm 3H4 is the port that should be set in Windows for the VNA to work. He got this from R&L

Electronics, [www.randl.com](http://www.randl.com) Model NANOVNAH4 10kHz-1,5GHz analyzer 4" touchscreen \$89.95+\$12.68 Shipping, for a total of \$102.63.

Neil has cable to be tested that was squashed by a suitcase lid.  
ECOFLOW Portable Power Stations are on sale on Amazon during the Spring Sale.

Mark says, any time you have any connector work to do, you should have a box with all connectors, solder, soldering iron, and anything you are going to need in that box, so that you will not have to go back down [from the repeater tower] work area to get parts you need.

Tri-Co is doing rehab on the tower in Devers, out towards Beaumont, Pt Arthur area. Cactus is a group that is setting up on the Gulf Coast towards Mexico. Cactus is going to be part of the H.A.M.S. group in the future. Most of the repeaters needed for hurricane weather EMCOM will be working by June. Webster and Clear Lake Shores repeaters are down but should be fixed (hopefully) by June.

Mark showed a Houston Amateur Mobile Society tribute to Wayne (SK), the guy who was really important in getting so many repeaters up and running along the Gulf Coast. There are 62 repeaters in the area...

146.84 is going to be working as a backup repeater. Tripple Zero is being overhauled. They have about 50 repeaters and they are most all OLD.

Meeting locations and schedules. Transtar is changing, with the City of Houston taking a more active role at Transtar, so our future at this location is not assured.

Meeting ended at 1135.

*Minutes Recorded by Ken Wenzel, KW5KEN*