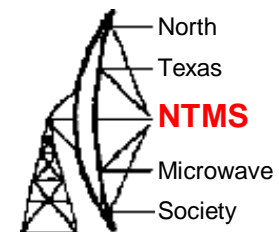


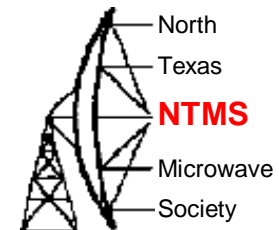
# Bob Stricklin Ranch gathering Dec 9, 2023



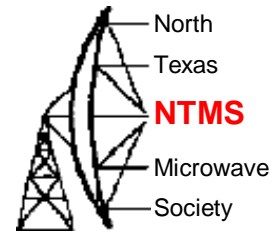
# Socializing!



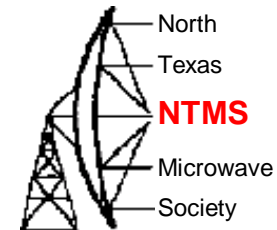
# Staging area



# Staging area



# Solar eclipse observation and sun noise & gain measurements



## Sun noise measurements:

Approx 1.0-1.5 dB @ 10 GHz

Approx 2.0 dB @ 24 GHz

< 1 dB @ 47 GHz (high NF transverter)

## Dish gain measurements:

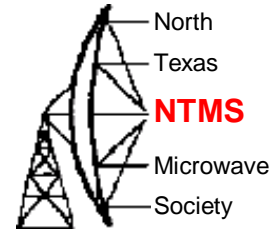
KI5EMN 18" offset                      31.0 dBi

KM5PO 20" offset                        28.0 dBi

AD5JK 34" offset                        35.5 dBi

No 24 Ghz tests due to equipment issues

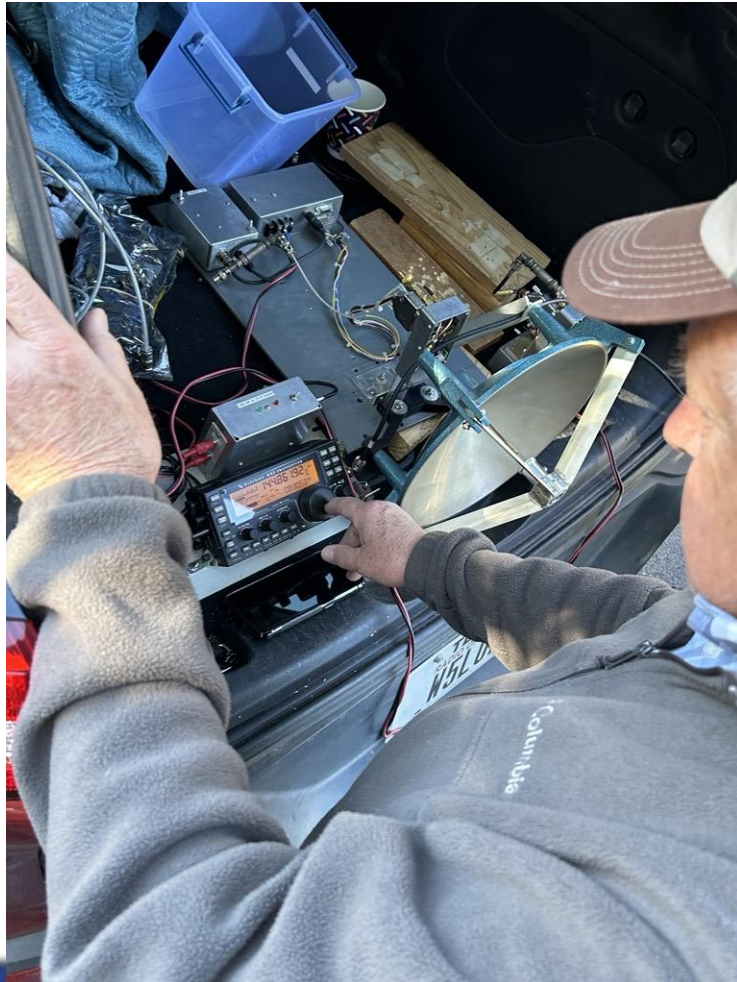
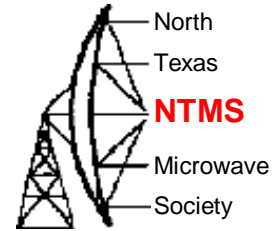
# Socializing!



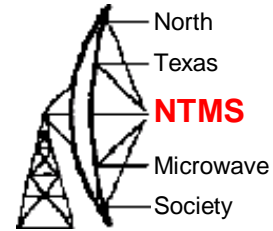
- AD5JK-Aaron (OKC) brought his new IC-905



# 122 GHz system tests



# 122 GHz system tests



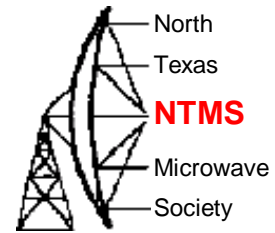
W5LUA supplied DB6NT 122 GHz transverter with programmed “ZL” LO which provided a clean signal source for the tests

W5LUA-  
Conical horn unit  
12” prime focus unit  
AG5XV-  
Conical horn unit  
KI5EMN-  
18” offset dish unit  
KM5PO-  
Conical horn unit  
20” offset dish unit  
AA5AM had units  
N5BRG had units

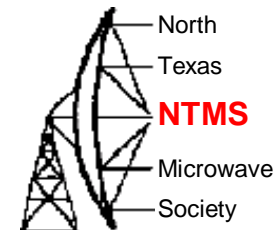




# Catered BBQ lunch served



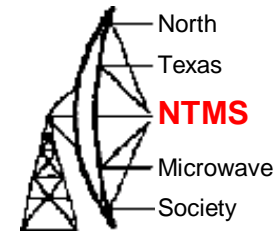
# Technical presentations



John Schroeder K5ZMJ – Unique 144 MHz IF radio



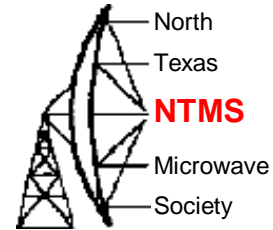
# Technical presentations



Jose Martinez EE/KG5YQO – Impedance matching of circuits experiments



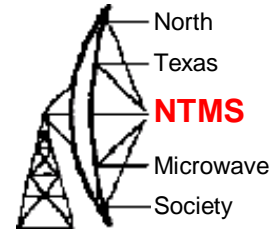
# Technical presentations



Zach Metzinger,  
N0ZGO, AMSAT  
Board of Director  
– Microwave  
plans with GOLF  
satellites  
(Greater Orbit  
Larger Footprint)



# Thank you Bob and Lil!



The venue was beautiful and welcoming

The weather co-operated

A good time was had by all