

Welcome to North Texas Microwave Society

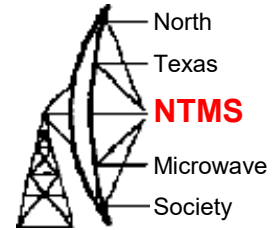
February 14th, 2026



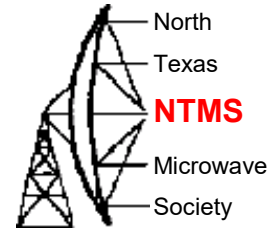
Last NTMS MAD day Sunday Feb. 8th 2026

NTMS Agenda

February 14, 2026



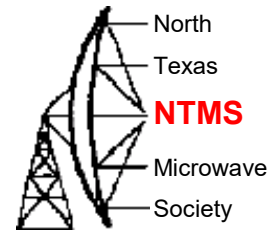
- 12:30 to 1:00– Setup & Bull Session
- 1:00 pm - Meeting Starts
- Announcements
- Technical Program
- **- Building the K4QF Trojan dish – KM5PO Jim**
- Show & Tell by members
- Other items & Business Meeting



Announcements

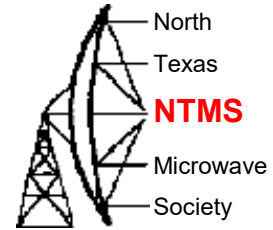
- The Cowtown Ham Fest was held Jan. 17-18 with NTMS presentations from Al Ward W5LUA, Kent Britain WA5VJB, Jim McMasters KM5PO. A lunch meeting took place Saturday at Hickory Stick BBQ in Everman (agenda on next slide).

NTMS Jan 2026 lunch meeting



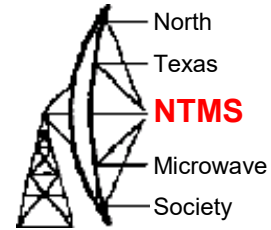
- **Next Microwave Activity Day is Feb. 7 (first Saturday of the month).**
 - Jerry, K5SOP has his 10/24/47 rover up and running
 - Keith, WB5ZDP has his 24 GHz on the tower and sounding good
- **Greg, AA5C rebuilt his 24 GHz beacon. Al Ward reports signal is good.**
- **Winter Field Day is January 24-25.**
 - N5TCH, Tim Hutchings is coordinating a UHF contact on 1296 for his club. 10 watts, 14 elements, 30' mast. EM12GA93VU or EM12GA94XC
- **A beacon work trip is scheduled for January 23. Al Ward coordinating**
- **Next ZOOM club meeting is Feb. 14th. We need your presentation.**
- **If you have not paid dues, please do so today. Paypal!**
- **Website stats-**

Summary by Month										
Month	Daily Avg				Monthly Totals					
	Hits	Files	Pages	Visits	Sites	KBytes	Visits	Pages	Files	Hits
Jan 2026	1402	0	397	89	2041	2925	1435	6352	0	22434
Dec 2025	1832	1	679	104	4267	9294	3253	21078	54	56809
Nov 2025	1291	0	343	92	4456	5549	2770	10314	0	38757
Oct 2025	1406	1	461	109	4354	6525	3382	14294	54	43592



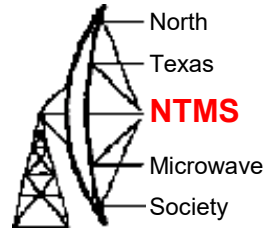
Announcements from AI Ward, W5LUA February 14, 2026

2026 Conferences



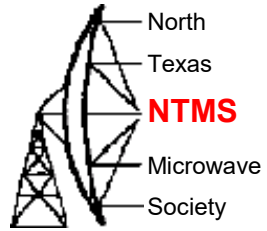
- April 16 – 19 SEVHF Conference in Macon, GA, <https://svhfs.org/wp/>
- April 24 – 26 NEWS Conference in Windsor, CT <https://newsvhf.com/conference/>
- May 28 – 30 EME Conference in Tenerife, Canary Islands <https://eme2026.moonbounce.info/eme2026.html>
- May 30 Aurora'26 Conference in Plymouth, MN <https://www.nlrs.club/#Aurora%20Conference>
- July 23 – 25 Central States VHF Society in Cape Girardeau, MO, <https://2026.csvhfs.org/>
- Oct 22 – 24 Microwave Update in Rochester, NY, <https://microwaveupdate.org/>

Next year



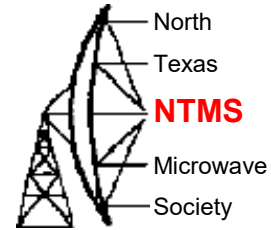
- Microwave Update will be coming to DFW in 2027 and will be sponsored by the NTMS – your help and support will be appreciated!

Various Hamfests with VHF + oriented sessions



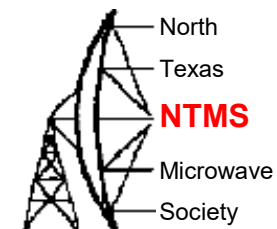
- Cowtown in Fort Worth Jan
- Orlando Feb
- Dayton/Xenia May
- Huntsville August

122 GHz Workshop



- KM5PO, KI5EMN, AA5AM, and W5LUA have 122 GHz rigs and have made contacts over several km plus
- Others in the area have the VK rigs and have built or in the process of completing
- We propose a testing session between a couple of locations where contacts over 1 or 2 km can be completed with comparisons made based on received S/N

NTMS Beacons



North Texas Microwave Society area Beacon Status updated February 12, 2026 by Al Ward W5LUA

Freq (MHz)	Call	Grid	Power	Antenna	Height above Ground	Status	Beacon	Frequency Stabilization	Freq Reference	Keying
50.073	W5HN/B	EM13sj	.5 W	Halo	180 ft	OFF THE AIR (1)	Home Brew	Crystal	12.51825 MHz	on/off
144.280.2	W5HN/B	EM13sj	1.5 W	Halo	180 ft	ON THE AIR	Home Brew	Crystal	12.0233 MHz	on/off
222.060	AA5C/B	EM13se	5 W	Folded Dipole	50 ft	ON THE AIR	Home Brew	PLL	16 MHz	on/off
432.370	N5PYK/B	DM93bm	50 W	Yagi towards DFW	70 ft	ON THE AIR		XCVR		on/off
432.380	W5HN/B	EM13kf	.8 W	Halo	280 ft	ON THE AIR	Home Brew	ADF4351	10 MHz OCXO	on/off
903.050	W5HN/B	EM13kf	9 W	Alford Slot	280 ft	ON THE AIR	Home Brew	N5AC PLL	10 MHz OCXO	on/off
1296.375	W5HN/B	EM13kf	3 W	Alford Slot	280 ft	ON THE AIR	Home Brew	N5AC PLL	10 MHz OCXO	on/off
2304.366	W5HN/B	EM13kf	4 W	Alford Slot	280 ft	OFF THE AIR	Home Brew	Crystal		FSK
2305.000	AA5C/B	EM13se	1W	Alford Slot	40 ft	ON THE AIR	Home Brew	PLL		on/off
3456.380	W5HN/B	EM13kf	250 mW	Alford Slot	280 ft	OFF THE AIR	Kuhne	Crystal X 27	128.014 MHz	FSK
3400.380	W5HN/B	EM13kf	250 mW	Alford Slot	280 ft	to be installed	Kuhne	ADF4351	125.94 MHz	on/off
5760.364	W5HN/B	EM13kf	158 mW	Alford Slot	280 ft	ON THE AIR	Kuhne	Crystal X 48	120.0079 MHz	FSK
10368.368	W5HN/B	EM13kf	2.5 W	Alford Slot	280 ft	ON THE AIR	Kuhne	Crystal X 96	108.00395 MHz	FSK
24192.380	AA5C/B	EM13sf	500 mW	16-slot WR42	75 ft	ON THE AIR	Home Brew	Kuhne PLL	10 MHz	on/off
24192.359	W5HN/B	EM13kf	1 W	10 slot Alford	280 ft	Ready to install	Wavelab Module	Kuhne PLL	10 MHz	RF Zero (2)
47088.359	W5HN/B	EM13kf	10 mW	W1GHZ Sector ant	280 ft	Ready to install	WA1MBA X4 mult	Kuhne PLL	10 MHz	RF Zero (2)

Notes

Actual 10 digit grid squares

EN13sj =

EM13sj91mr

EM13se = EM13se55vi

DM93bm = DM93bm46su

EM13kf = EM13kf45pb

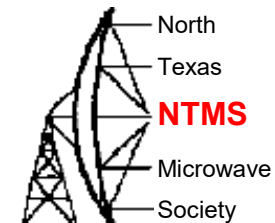
EM13sf= EM13sf89tb

(1) Waiting for a tower climb to put antenna back up at 60ft

(2) CW ID plus Q65-60C

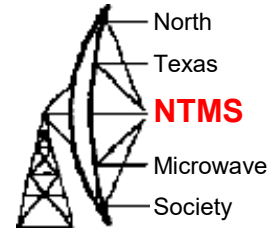
Beacons highlighted in Yellow are in Denton

Work to be done at TWU



- Due to adverse weather on January 23rd, we plan to reschedule a work session...**We have reached out to the Denton RC to establish a new date..standing by**
- Items to be worked on...
- Something is modulating the 10 MHz reference that feeds the 432/902/1296 MHz beacons, Try new Spectracom GPS locked reference. May have to install new GPS antenna
- Pull the 3456 MHz beacon
- Install new 3400 MHz beacon
- Pull the 2304 MHz beacon and repair
- Consider moving the beacon box closer to make it more easily accessible.
- Look at way to mount new 24/47 GHz beacon

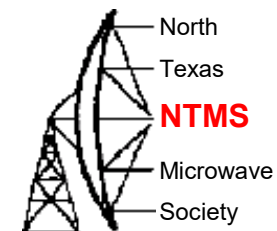
432, 902, 1296, 2304, 3456, 5760, 10368 MHz Beacon Antennas



Height 280 ft above ground
Facing East toward McKinney

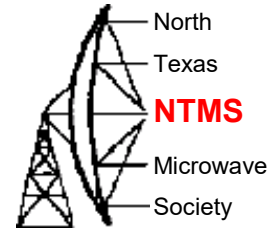
← 2,3,5, 10 GHz Beacon Box

March 14, 2026 Meeting



- Due to the generosity of David N5FU, we will be having a meeting at his location on March 14
- This will be our first in person meeting in quite a while. Please join us
- Details follow.....

6335 Stinson St, Plano



6335 Stinson St - Google Maps

www.google.com/maps/place/6335+Stinson+St,+Plano,+TX+75093/@33.0236522,-96.8406389,16z/data=!4m6!3m5!1s0x864c247ed3dc6723:0x110b4f244a9ab12118m2!3d33.0213808!4d-96.838230

6335 Stinson St Building

Directions Save Nearby Send to phone Share

6335 Stinson St, Plano, TX 75093

Suggest an edit on 6335 Stinson St

Add a missing place

Add your business

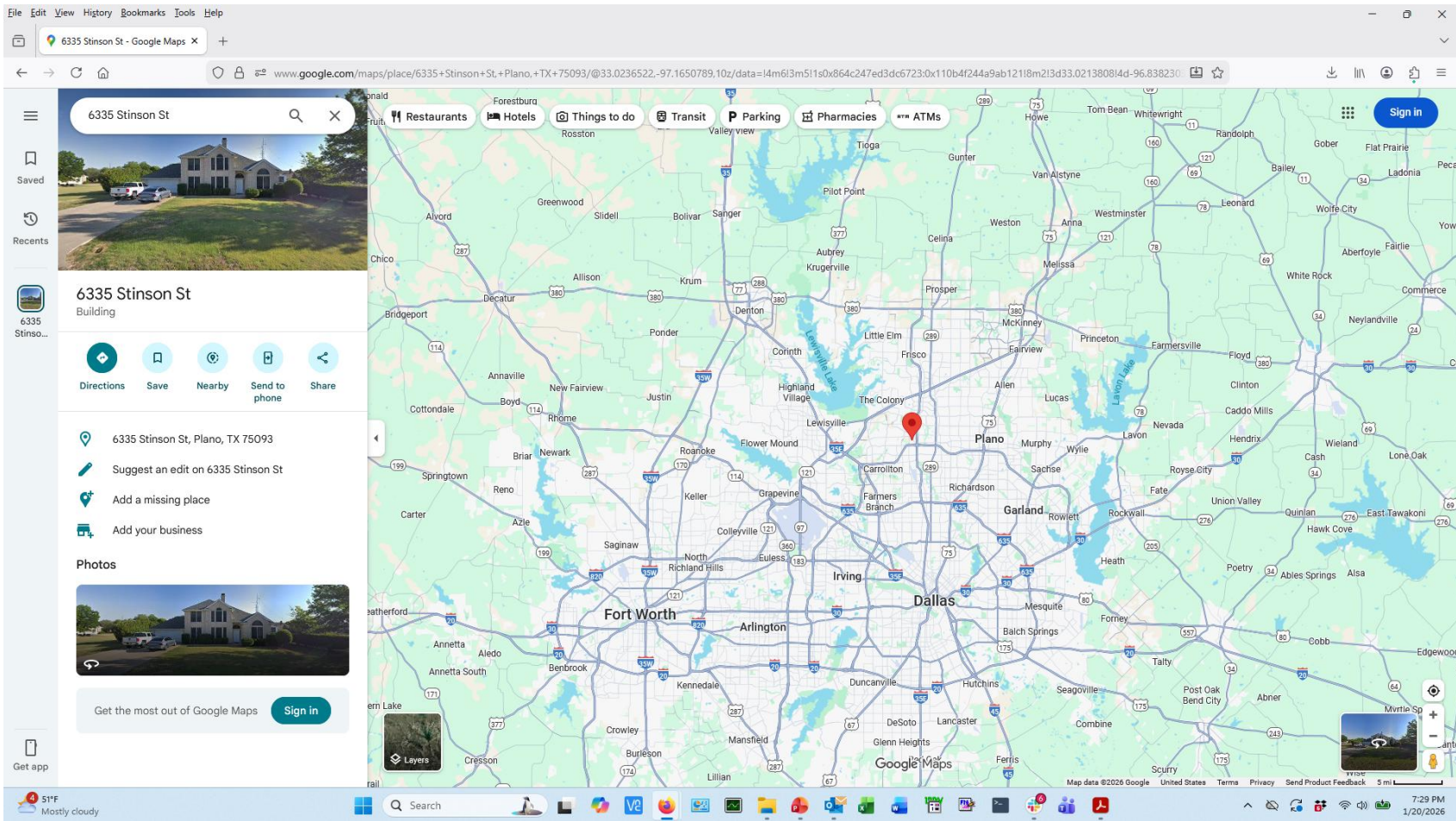
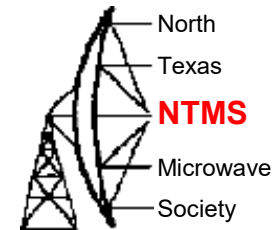
Photos

Get the most out of Google Maps Sign in

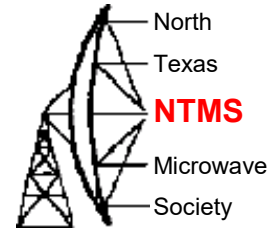
Map data ©2026 United States Terms Privacy Send Product Feedback 500 ft

7:13 PM 1/20/2026

Location relative DFW



David's Home



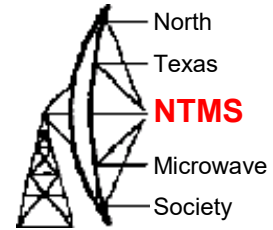
Front entry to hanger is opening in front of David's truck

Parking in front on both his driveways is probably 3 columns of 4 cars

Other parking on his dead end road out in front but if raining gets iffy

Other option is remote parking at beginning of the private road to their property

Remote Parking

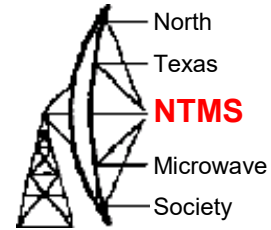


Remote parking
for car pool

This is in the SE
corner of W Park
Blvd and Air Park
LN

The SW corner
has parking in a
strip mall

Summary

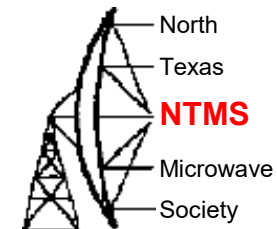


We look forward to meeting at David's QTH. We appreciate his hosting a meeting location

Bring your own chair(s) and if you have a light weight table, please bring it.

Bring your own drink

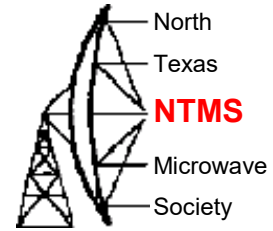
Most important of all, Please attend!



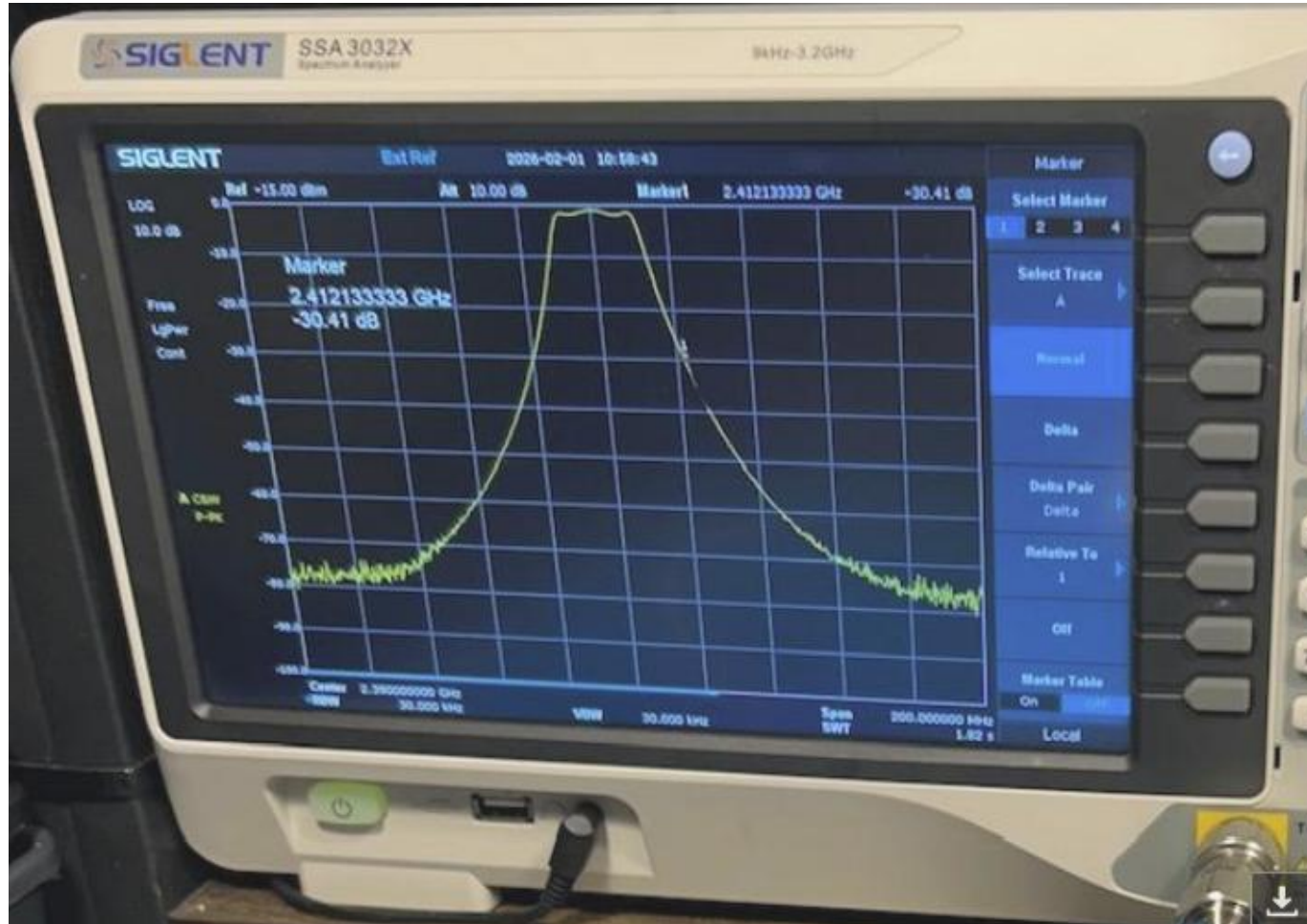
Announcements

- As mentioned in Al Wards beacon report, the AA5C beacon (24 GHz) is on the air from EM13sf89tb.
- The Cowtown Amateur Radio Club contacted NTMS for help regarding their International Space Station receive system which was being affected by local WiFi signals at 2412 MHz.
- A 2 GHz filter was procured (Kent WA5VJB) and with help from Al Ward W5LUA and Mats Bengtsson KD5FDX, the filter was tuned to 2395 MHz and installed in the Cowtown ISS receive system (next slides).

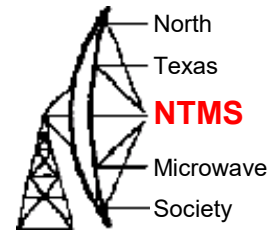
Filter for Cowtown ARC



Plot after Mats machining



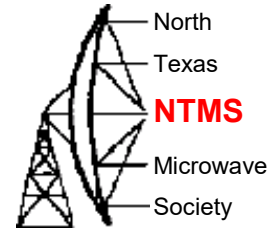
Work on the roof of Cowtown clubhouse



- Mike Barnett, KF5DEY on the ladder.

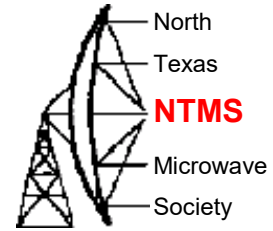


Closeup of feed/LNA

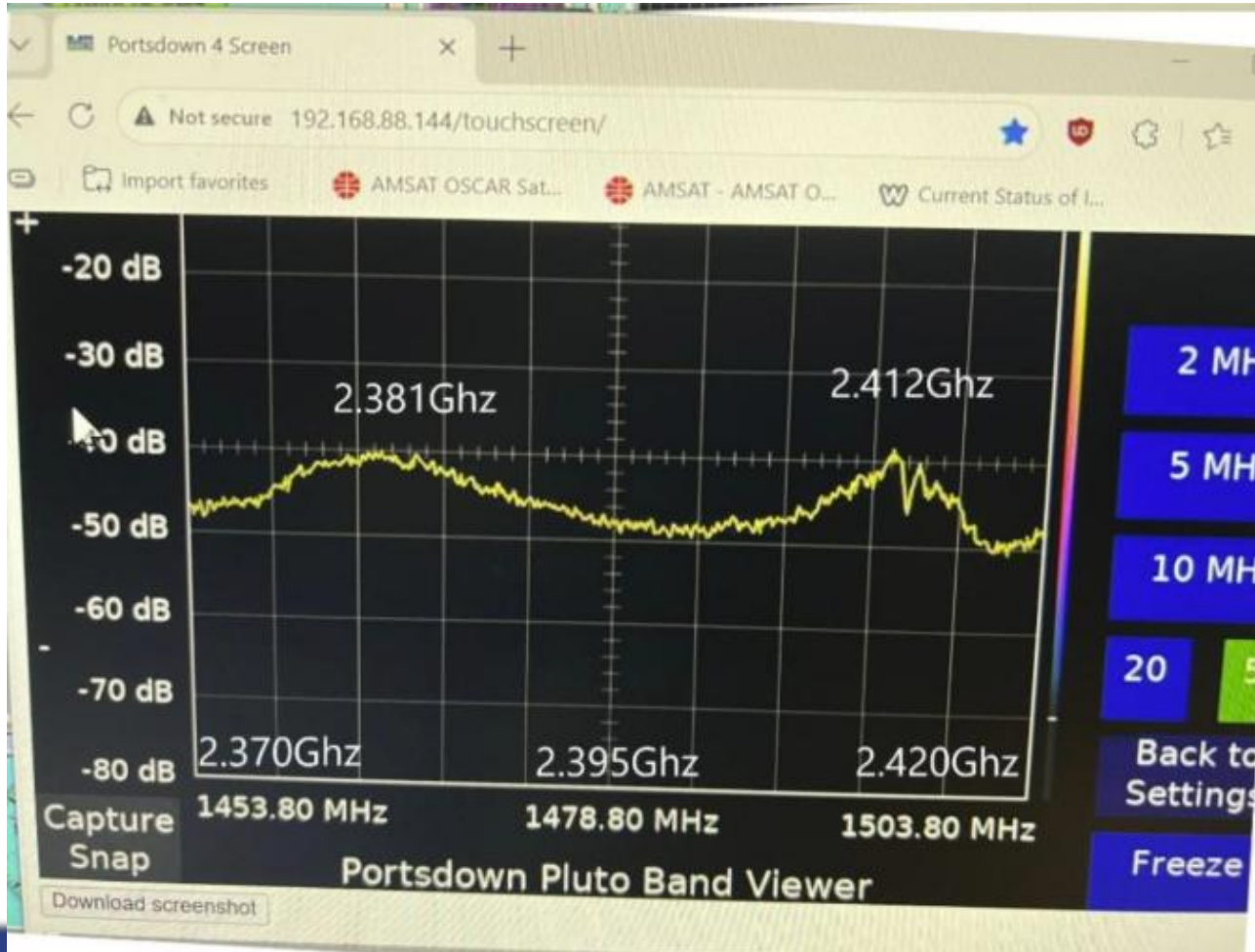
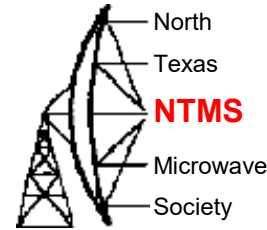


- Kuhne LNA
- LNA powered from bias tee on RF output port
- Dish is 1.2 meter wire mesh from rfhamdesign.com
- AZ/EL rotor is a SPID

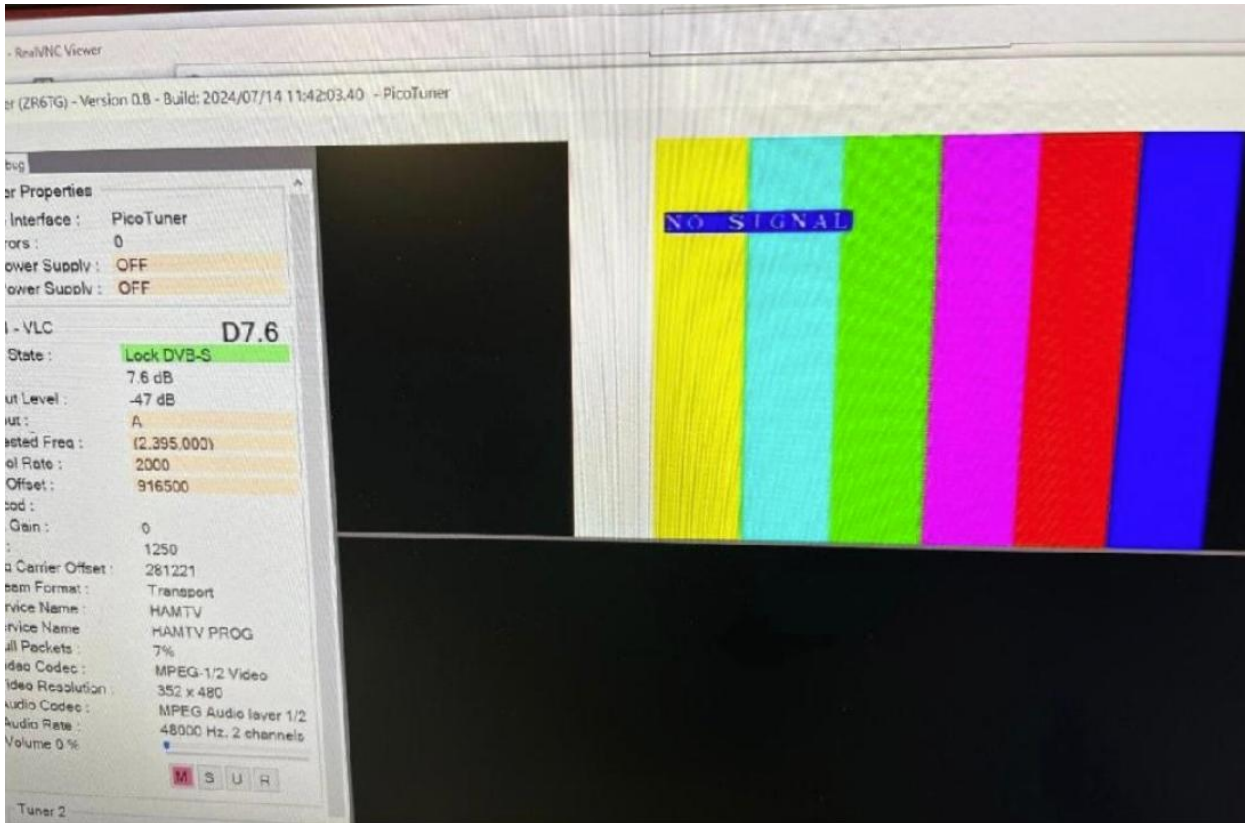
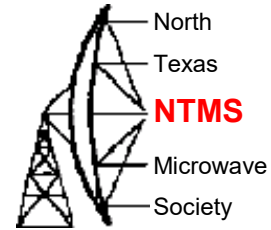
NTMS donated filter installed



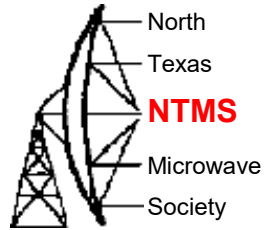
First look at spectrum without ISS signal present



Strong ISS signal observed!



Mike Barnett and his team will be presenting on the Cowtown ISS receive system in a future NTMS meeting



Contest results

- Several NTMS members achieved places in the 2025 10 GHz and up contest as reported in the February 2026 issue of QST.

In the 10 GHz only category, Pat W5VY led the pack:

Area 5

W5VY

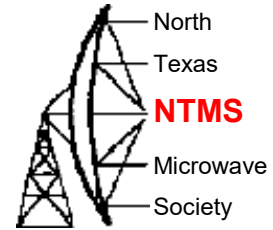
WB5ZDP

N6CA

AD5JK

K5MNZ

W5ZCA



Contest results

In 10 GHz and up category, AI W5LUA was top 5 call area leader:

Area 5

W5LUA

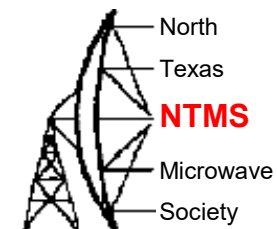
KM5PO

KI5EMN

AA5AM

AA5C

WA5WCP



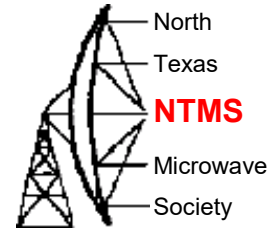
Contest results

On the very next page in February 2026 ARRL QST (page 76) is found more notable standouts from NTMS members who participated in the 222 MHz and up distance contest.

Leading *all rovers* was Pat, W5VY with 65,810 points – 10,000 points ahead of the next contender.

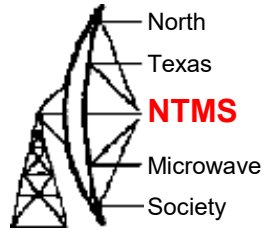
Regional leaders included Unlimited Rover W5VY and Single Operator Brad, WQ5S. Best DX by bands was led by the outstanding 1,603 km contact by WQ5S with W7JW! Scott, AA5AM led the 24 GHz best DX category.

March 2026



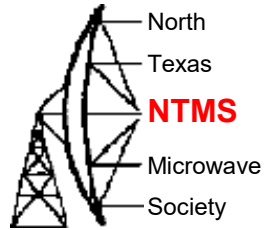
- March 7 – NTMS Microwave Activity Day
 - Ride along welcome
- March 14 – NTMS In Person meeting
-

April 2026



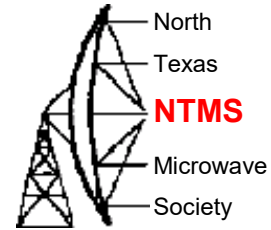
- April 4 – NTMS Microwave Activity Day
- April 11 – NTMS meeting
- April 13 – CSVHFS 144 MHz Spring Sprint
- April 21 – CSVHFS 222 MHz Spring Sprint
- April 29 – CSVHFS 432 MHz Spring Sprint
- April 24 – NTMS 122 GHz field day (tentative)

May 2026



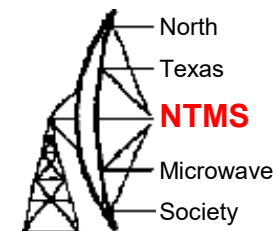
- May 2 – NTMS Microwave Activity Day
- May 2 – CSVHFS Microwave Spring Sprint (902 MHz and above)
- May 9 – NTMS meeting
- May 9 – CSVHFS 6 meter Spring Sprint

Perpetual



- **NTMS 2 meter net**
Every Sunday, 8:00 pm CST, 144.260 MHz, called by Ross K5ZSJ
- **The 6 meter Hootowl net**
Every Saturday, Midnight, 50.125, called by Al W5RLG
- **NTMS Lunch**
Every Tuesday, 11:30 am CST, Texas Smokehouse BBQ, Richardson TX (May change around holidays)
- **144 MHz Activity Night.**
Every Monday 7:00-11:00 pm local
- **222 MHz Activity Night.**
Every Tuesday 7:00-11:00 pm local
- **432 MHz Activity Night.**
Every Wednesday 7:00-11:00 pm local
- **Midwest M.A.D. and NTMS M.A.D**
First Saturday of every month.

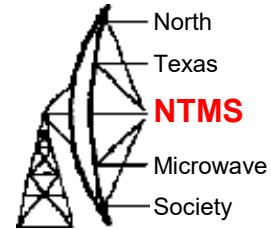
Business Meeting



- **Old Business**

- Add prominent notice about dues renewal to the front page of the NTMS website.
- Send email to NTMS group.IO with a clickable PayPal link for dues renewal.
- Continue work on microgrant application for February submission to Irving Radio Club.
- Reapply to Zoom for non-profit rate reduction.
- Forward email about new 24GHz board from Poland to NTMS_Zoom_Host.

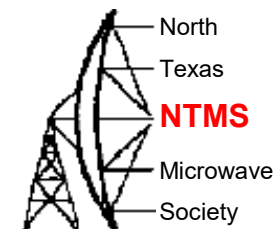
Business Meeting



- ## Old Business

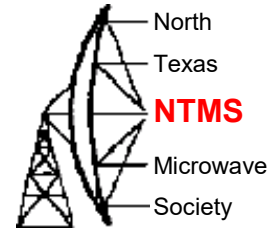
- G8EMY/W5: Send Vivaldi (components) to Barry.
- G8EMY/W5: Help with speaker recruitment for Microwave Update 2027.
- Update website front page with dues notice as requested by Bob.
- Ben: Continue planning and coordinate with group regarding VUCC party/portable operations in Tennessee/Alabama.
- Plan and coordinate support for Irving Club Hamfest at Bingo Hall (including possible beacon deployment).
- Consider building and raffling a VHF/UHF-related item to raise funds (per Ben's suggestion).
- Solicit volunteer to pursue ARRL grant (noted as future action).

Business Meeting



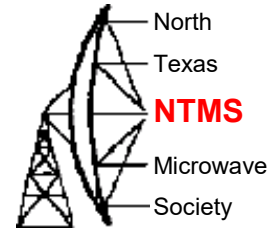
- **New Business**
 - Firm up date for VUCC attempts trip to El Paso Texas, Sunspot New Mexico (need a volunteer to help with planning this and other westward trips)
 - We have 2 operators, any others?
 - We can support VUCC for 5, 10, 24 and 47 GHz with equipment loans
- **Any other topics to be discussed?**

Show and Tell



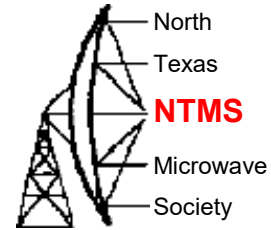
- What do you have to show off?

NTMS Budget & Dues



- Zoom Meeting \$160/yr
- Website Blue Host \$86/yr
- ARRL Liability Insurance \$200/yr
- PO Box \$216/yr
- 501c3 non-profit filing with TX \$25/yr
- Total \$617 / \$20 dues > 31 members min
- Does not include meeting 789 space and ARRL Spectrum Defense Fund donations
- Please support the NTMS with your \$20 annual dues. Information on paying dues at www.ntms.org (see Membership link on left side of home page)

NTMS Donations

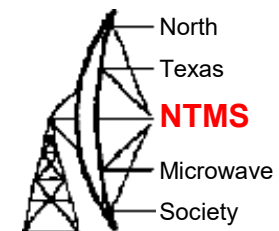


- On home page option:

A screenshot of the NTMS website header. On the left, there is a blue box with the call sign "W5HN" in white. To its right, the text "North Texas Microwave Society" is displayed in a large, dark blue font. Below this, a red banner contains the text "Dedicated to Promoting Activity, the State of the Art in Equipment Design, and the Exchange of Ideas and Technology for the Amateur Bands Above 902 MHz". On the far right, a yellow button says "Please donate to NTMS". Below the button are icons for payment methods: a blue icon, a "VISA" logo, a red and yellow icon, and "+more". At the bottom of this section, it says "Powered by PayPal".

- Another option:
 - For donations by check please mail your check to:
 - NTMS
P. O. Box 26
Sanger, TX. 76266-0026
 - Note Donation and call sign on check.

Adjourn?



- Motion to adjourn?