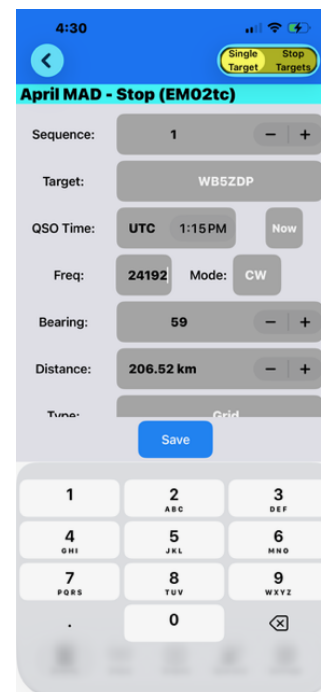
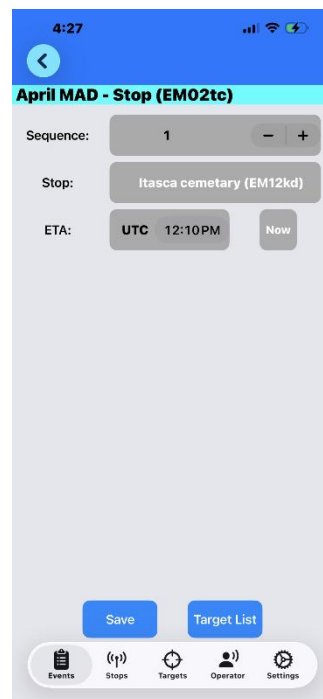


Welcome to North Texas Microwave Society

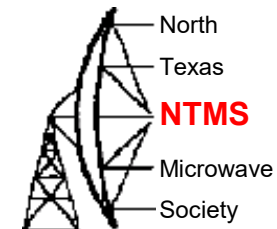
May 9th, 2026



Rover logging app from Paul KI5EMN

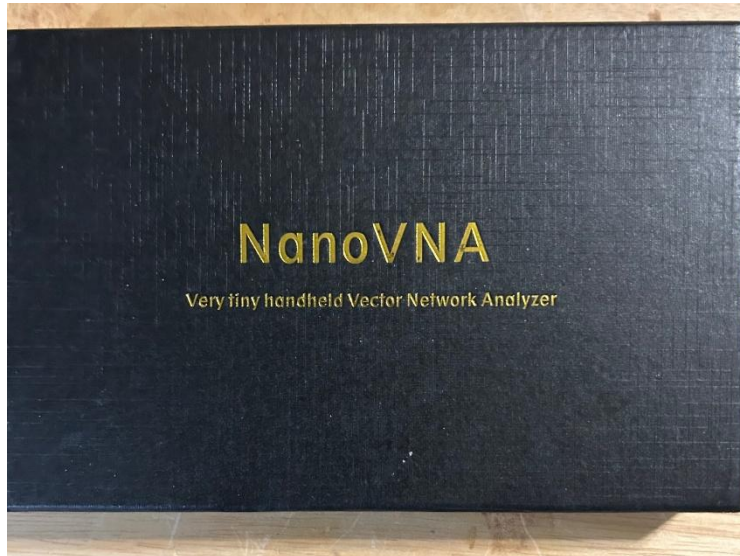
NTMS Agenda

March 14, 2026

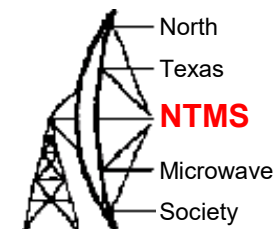


- 12:30 to 1:00– Setup & Bull Session
- 1:00 pm - Meeting Starts
- Announcements
- Technical Program
- **Analysis & Forecasting Microwave Propagation – KM5PO Jim and W5ISP Graham**
- **Periscope (Flyswatter) Antenna – W5LUA Al Ward**
- Show & Tell by members
- Other items & Business Meeting

Announcements

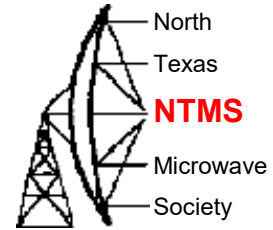


- A donation was made by Mats Bengtsson, KD5FZX of a Nano VNA which was sent to the Texas A&M IEEE Microwave Theory and Technology Society. We sponsor this group of up and coming RF engineers.



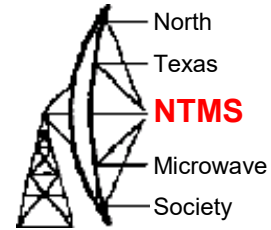
Announcements

- A donation was made of a used Directive Systems 1296 loop yagi to Mats. Aerial originally owned by Craig KA5BOU.
- Mats has donated a MicroTik LHG 60 GHz endpoint which is purposed for use in a new dedicated beacon monitoring system.
 - The system will monitor beacon signal strengths and since the receiver is remotely located, the 60 GHz link can be used to backhaul the data to an internet point of presence.
 - From there they interface to the NTMS propagation engine through an API. This yields empirical data for further training of the propagation model.
- KM5PO presented on mmwave propagation forecasting to the Bay Area Microwave group Tuesday May 5th 9 pm CDT.



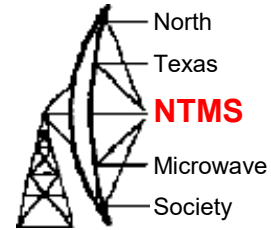
Announcements from AI Ward, W5LUA May 9, 2026

2026 Conferences



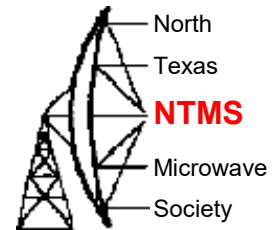
- April 16 – 19 SEVHF Conference in Macon, GA, <https://svhfs.org/wp/>
- April 24 – 26 NEWS Conference in Windsor, CT <https://newsvhf.com/conference/>
- May 28 – 30 EME Conference in Tenerife, Canary Islands <https://eme2026.moonbounce.info/eme2026.html>
- May 30 Aurora'26 Conference in Plymouth, MN <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

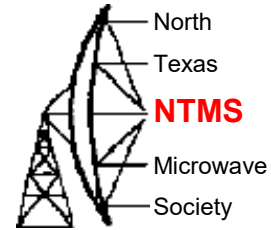


- Microwave Update will be coming to DFW in 2027 and will be sponsored by the NTMS – your help and support will be appreciated!

Various Hamfests with VHF + oriented sessions

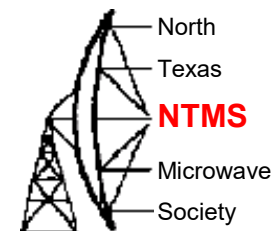


- Cowtown in Fort Worth Jan
- Orlando Feb
- Dayton/Xenia May
- Huntsville August



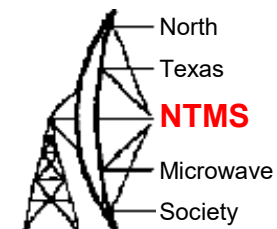
- Location – Vista Mall, Lewisville, TX
- <https://www.dfwhamexpo.com/>
- Friday June 12th 1PM to 6 PM Expo opens
- Saturday June 13th
 - 7AM Outdoor tailgating opens
 - 8:30 AM Expo re-opens

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

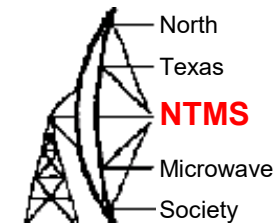
EM13sf= EM13sf89tb

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

(2) CW ID plus Q65-60C

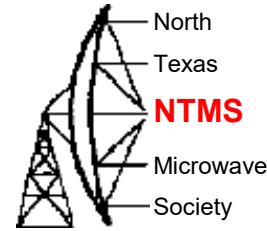
Beacons highlighted in Yellow are in Denton

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

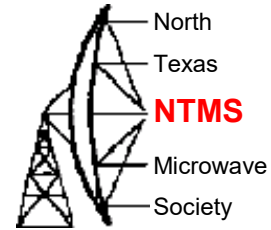
432, 902, 1296, 2304, 3456, 5760, 10368 MHz Beacon Antennas



Height 280 ft above ground
Facing East toward McKinney

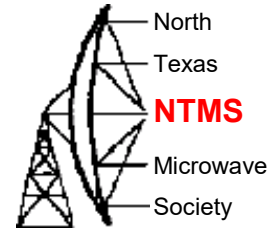
← 2,3,5, 10 GHz Beacon Box

May 2026



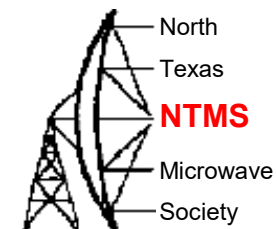
- May 2 – MAD – We had a big turnout!
- May 9 – NTMS meeting at the hanger/home of David N5FU
- May 9/10 – CSVHFS 6 meter Spring Sprint 2300z to 0300z
- May 16 – Dubus 10.3 GHz EME Contest sponsored by Dubus Magazine - Check into HB9Q.ch logger to see activity

June 2026



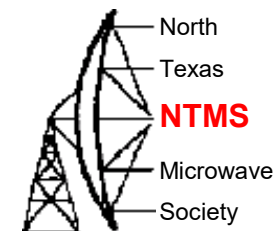
- June 6 – MAD Microwave Activity Day
- No June Meeting planned
- June 13, 14 – ARRL June VHF Contest
- June 13 – Dubus 24 GHz EME Contest sponsored by Dubus Magazine - Check into HB9Q.ch logger to see activity

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.

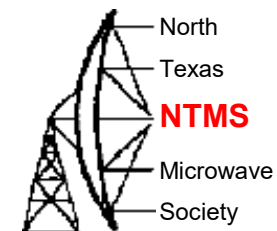
Business Meeting



- **Old Business**

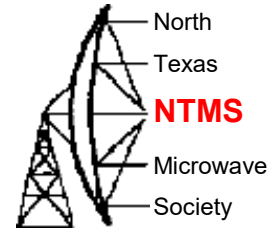
- Add prominent notice about dues renewal to the front page of the NTMS website.
- Send email to NTMS group.IO with a clickable PayPal link for dues renewal.
- Continue work on microgrant application for submission to Irving Radio Club.
- Reapply to Zoom for non-profit rate reduction.
- Forward email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

Business Meeting



- Treasurer's Report
 - Current Bank balance is \$8156.08.
 - Yet to be paid is the \$300 to the ARRL defense fund and the renewal fee paid for the internet provider by KM5PO.
 - The paid membership is currently 60.

Business Meeting

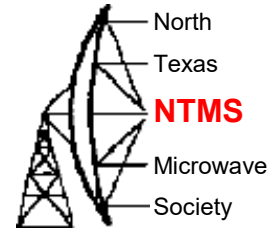


- **New Business**

- 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). November 2026
 - We have 2 operators, any others?
 - We can support VUCC for 5, 10, 24 and 47 GHz with equipment loans
- Plan a strategic rove to Mena/Mt. Magazine primary 24 GHz. June/July timeframe.
- Continue work on microgrant application for submission to Irving Radio Club. At this point it may be 2027.
- Reapply to Zoom for non-profit rate reduction.

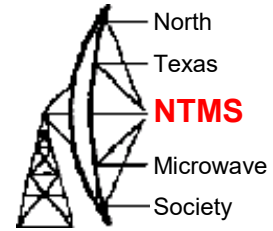
- **Any other topics to be discussed?**

Show and Tell



- What do you have to show off?
- Lightning round of comments, thoughts.

Adjourn?



- Motion to adjourn?