

A year of rovering - 2023

Feb 3 New Wavelab 24 GHz tests - High Hawk proving ground

March 18-19 NTMS MAD very cold & windy

May 21 NTMS MAD

June 3 ad-hoc RS rove

July 24-27 On the way to CSVHFS (N Little Rock) rove.

Aug 9 ad-hoc testing at High Hawk proving ground 24 GHz LNA

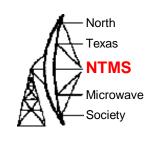
Aug 10 GHz contest

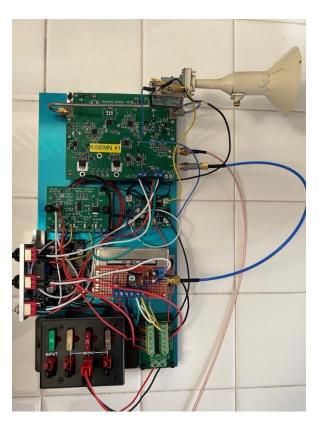
Aug 13 ad-hoc tests for thermal control on 24 GHz

Sept 10 GHz contest

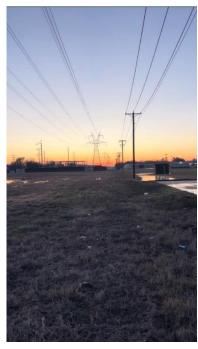
Dec 10 47 GHz NTMS MAD

Feb 3 – 2 New Wavelab 24 GHz rover units





High Hawk proving ground – 1 mile DX

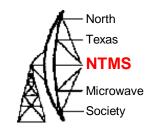




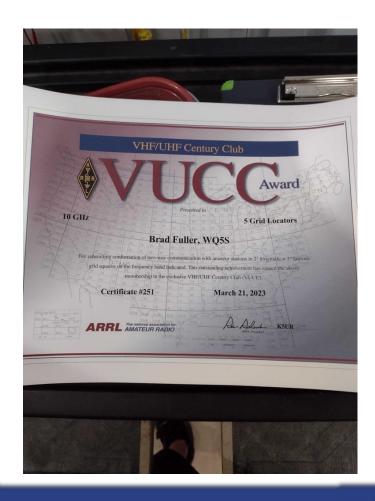
North
Texas
NTMS
Microwave
Society

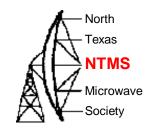
very cold & windy WQ5S Brad was at W5FKN EM13jh





WQ5S earned VUCC on 10 GHz!



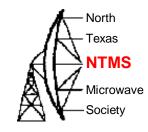


very cold & windy



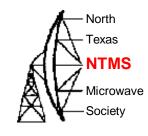






AA5AM Scott's 10/24/47 GHz setup





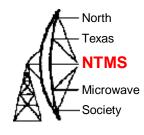
Paul at EM12MQ near I-20/408





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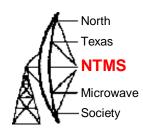
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First contact for two new 47 GHz systems



May NTMS MAD



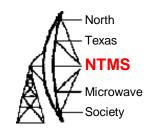
First DX for new 24 GHz system



New good location in EM01vx17



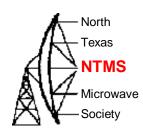
May NTMS MAD



EM01vx17 location – 200 km on 24 GHz w/W5LUA



May NTMS MAD results



May 21 – spring NTMS activity event



WQ5S was at W5FKN/EM13

KM5PO & KI5EMN

EM04xs52ta Warika,OK

EM03vg85qd Jacksboro, TX

EM02wl37 Hwy 281 Lipan, TX nil

EM01vx17 Hwy 219 Dublin, TX KI5EMN 10 GHz, KM5PO/W5LUA

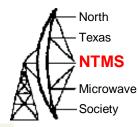
~200km 24GHz

EM11kx88 Hillsboro, TX nil

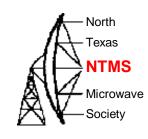
North
Texas
NTMS
Microwave
Society

- 7/24-7/30
- AC0RA Wyatt

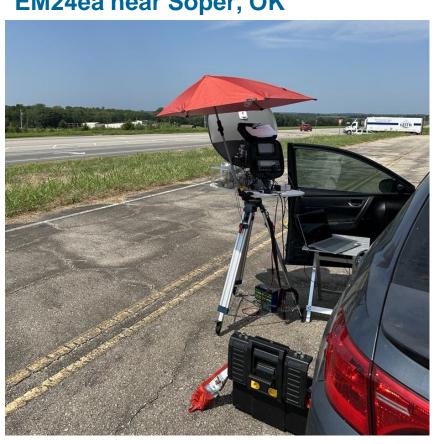






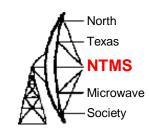


EM24ea near Soper, OK



Pre 10 GHz contest check out

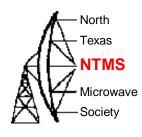
- Umbrella works well
- Tried WSJT with equipment outside
- Established that KX-3 was drifting on 144 MHz in phone call with Al after the stop.
- Good success on 10 GHz
- Strong WSJT sig from Al



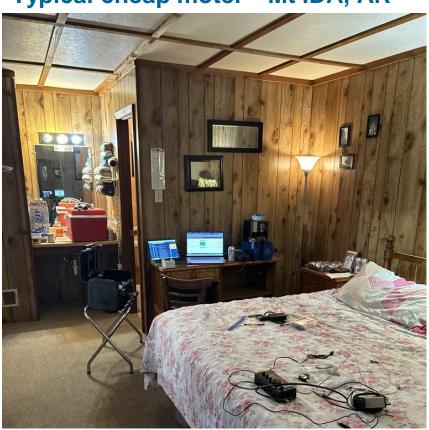
EM24 overlooking Kiamichi Valley. 599 10 GHz to DFW 255 km







Typical cheap motel – Mt IDA, AR

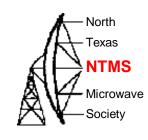


Mount IDA overlook



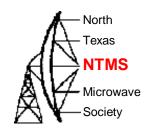


On the way to CSVHFS





CSVHFS North Little Rock



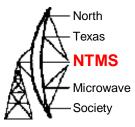
The two rigs that hold the Texas 47 GHz DX record!



K9PW worked via building scatter on 47 GHz



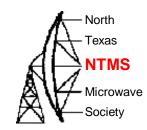
CSVHFS North Little Rock







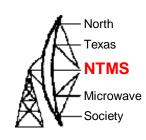
On the way home from CSVHFS



 Worked: AA5C on 24 GHz, WB5ZDP, AA5AM & AA5C on 10 GHz



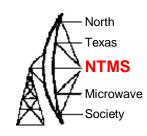
On the way home from CSVHFS







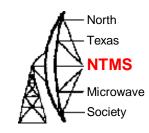
Aug 9 ad-hoc testing



Testing Wavelab 24 GHz with DB6NT LNA prior to contest DigiLO was heard over 1 mile DX at High Hawk proving ground





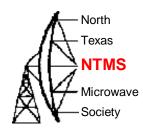


122 GHz attempt failed at sunrise first stop

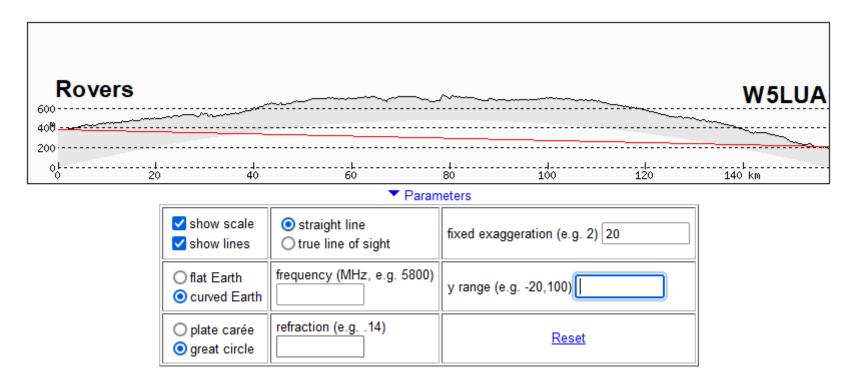


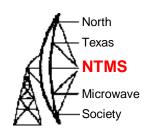
Ending day 1 at Blue Ridge school (shaded)





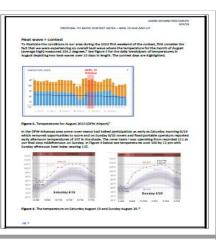
Day 2 Sunday started with a long 24 GHz contact from Sulphur OK to W5LUA – 157 km

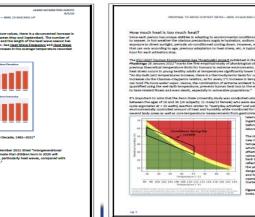




Day 2 Sunday ended the day with heat stroke/burns Scott AA5AM wrote email. I wrote a paper.





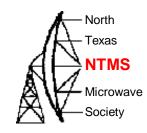


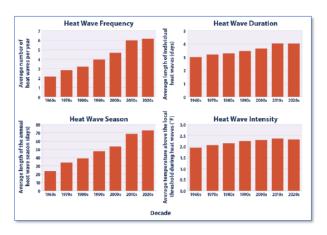


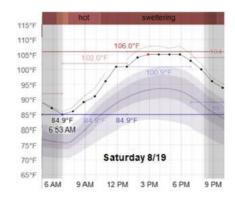
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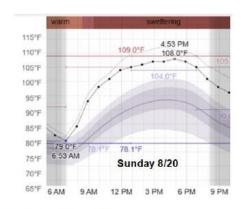
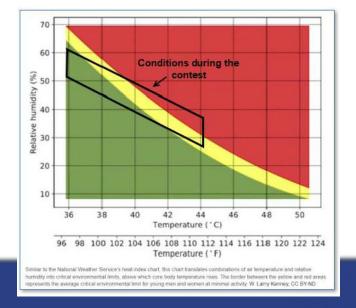
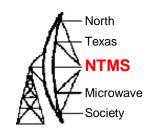


Figure 2. Heat Wave Characteristics in the United States by Decade, 1961-20214

Figure 4. The temperature on Saturday August 19 and Sunday August 20.8



Ad-hoc testing – thermal control

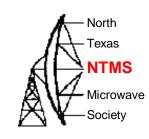






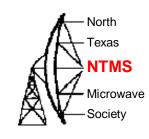


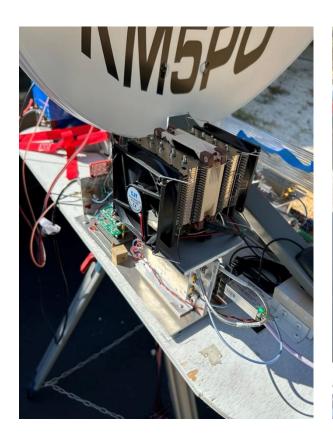
Ad-hoc testing – thermal control





Ad-hoc testing – thermal control



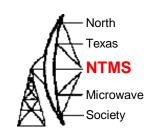




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29

Ad-hoc testing – thermal control





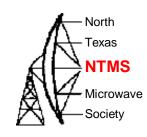
KI5EMN on 24 GHz FM 5x9



W5LUA strong on 24 GHz WSJT @ 96 km



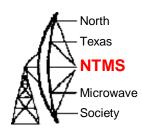
Ad-hoc testing – thermal control







Ad-hoc testing – 122 GHz



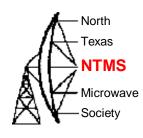






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32

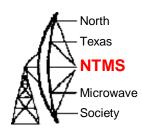


Rain preparation



Working AI on WSJT – 10 GHz from EM03vw N of Henrietta TX

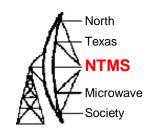


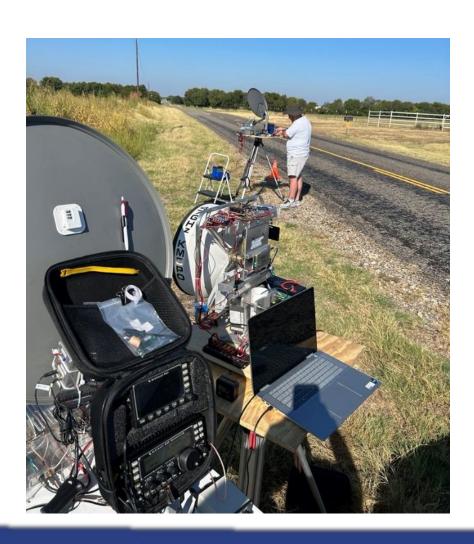


10 & 24 GHz success from EM23ao near Honey Grove TX

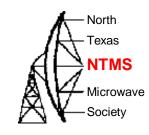








Ladonia Texas EM23,
 Digital and Analog
 contacts on 10 & 24
 GHz.



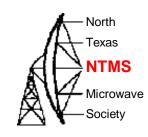
122 GHz contact in the log!







Dec 10 NTMS MAD Focus on 47 GHz



- W5LUA has rotor improvements
- Two rovers on 47 GHz now who is next?

				W5LUA		AA5C			AA5AM			
				EM13qc68			EM13se55			EM13sg53		
Site			Alt	DX	DX AZ	AZ	DX	DX AZ	AZ	DX	DX AZ	AZ
Sunday 12-10-23 KM5PO/KI5EMN												
EM12mw51ga	Macarthur ranch	Mythri's 8350 N. MacArthur Irving	499	39	56	236	35	58	238	38	51	231
EM13od56ch	Frisco School	10330 Red Cedar Dr. Frisco	801	17	102	282	32	82	262	34	68	248
KM5PO/Jim												
EM13tl30wt	Whitewright	E Line Rd Whiteright	797	44	209	29	31	192	12	23	197	17
EM23aj09ja	Ladonia #2	15493 SH-34 Ladonia	689	66	240	60	31	240	60	46	249	69
EM23ad19ig	Campbell	1301 CR 4109 Campbell	623	58	265	85	43	274	94	48	284	104
KI5EMN/Paul												
EM13th13ix	Blue Ridge High School	425 N Church St Blue Ridge	635	29	223	43	14	198	18	7	224	44
EM13td37bv	Farmersville/Brookshires	1803 W Audie Murphy Pkwy	605	21	78	258	7	122	302	13	151	331
EM13vd48al	Floyd	2615-2721 FM 903 Greenville	604	37	262.7	83	22	278	98	25	298	118

Questions?

