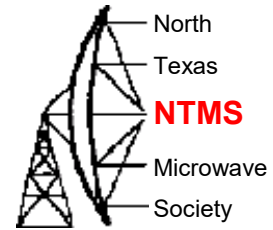


# Contest plans ARRL 10 GHz & up part 2 September 20-21 2025

*North Texas Microwave Society*

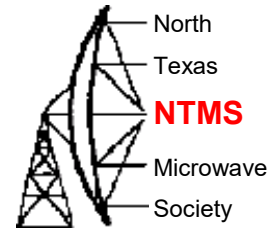
Jim McMasters KM5PO  
[km5po@arrl.net](mailto:km5po@arrl.net)

# Fixed, portable and rovers



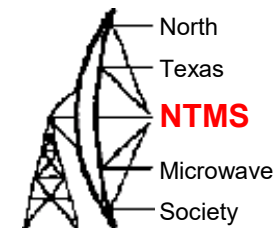
- **Fixed:**
  - **W5LUA**
  - **AA5C**
  - **WB5ZDP**
  - **WA5WCP**
  - **WA5TKU?**
  - **W5AFY?**
- **Fixed/Portable:**
  - **AA5AM**

# Fixed, portable and rovers



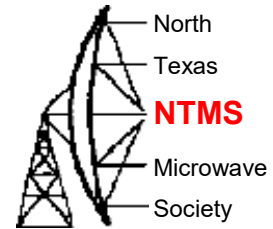
- **Rovers:**
  - **W5VY**
  - **W5ZCA**
  - **K5MNZ**
  - **KM5PO**
  - **KI5EMN**
  - **N6CA?**
  - **Others?**

# KM5PO/KI5EMN schedule



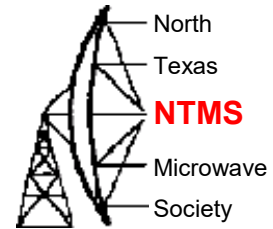
Site		W5LUA		AA5C		AA5AM		WB5ZDP		WA5WCP			
		EM13qc68		EM13se55		EM13sg42		EM13sa64		EM12jo88			
		Alt	DX	Mag	DX	Mag	DX	Mag	DX	Mag	DX	Mag	
Friday- Holiday Inn Express Hotel & Suites 1051 N Hwy 81 And 287, Decatur, TX, 76234													
Saturday 09/20/2025													
1	EM13E119IP	Ball Knob Hill, Alvord, TX	981	101	104	114	98	112	93	119	106	95	149
2	EM13IL39QH	Era - Valley View, TX	951	77	120	86	110	83	105	96	121	98	170
3	EM13LW25TQ	Marietta, OK	866	100	153	101	143	94	140	117	148	147	182
4	EM14OA46JN	Madill, OK - Edge Rock Road	879	102	167	98	158	91	156	117	161	161	189
5	EM23AW18DV	Bennington, OK	623	109	209	95	203	89	206	112	198	185	213
6	EM23AO73EV	Honey Grove, TX	676	82	226	66	223	61	229	80	213	159	223
La Quinta Inn & Suites by Wyndham 2912 N Highway 75, Sherman, TX 75090 (903) 870-1122													
Sunday 09/21/2025													
8	EM13PM75AW	Dorchester, TX	853	46	168	43	146	36	141	61	155	111	202
9	EM13SI53FI	Westminster, TX	699	29	207	18	176	10	180	36	175	106	216
10	EM13WH12NV	Celeste, TX	692	47	241	19	242	29	257	42	217	122	228
11	EM23AD19IG	Campbell, TX	607	58	262	43	270	45	280	28	246	127	238
12	EM13VD48AL	Floyd, TX	614	37	260	22	275	25	293	26	230	108	233
13	EM13TD37BV	Farmersville, TX	597	21	255	7	297	13	327	16	195	95	227
14	EM12SV24VO	Rockwall, TX	565	28	330	33	0	25	359	14	8	72	242

# K5MNZ schedule



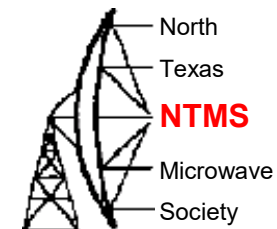
Locator	Description	Km to AI W5LUA
EM11CS05IK	Cranfills Gap	188
EM01VX17VF	Microwave site-Dublin	197
EM01WV71IU	K5ND site-Hwy 281	196
Move towards Pat		

# W5VY schedule



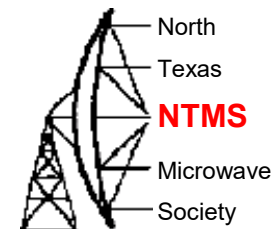
Locator	Description	Km to AI W5LUA
EM10TO99JT	TAMU parking garage	279

# Use NTMS Slack



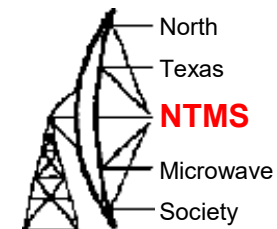
- Use # 10-ghz-and-up-contest channel
- Split off to “coordinate 1” or “coordinate 2” channels
  - Return from General then +Add Channel>Browse channels. Locate coord-1 or coord-2
- As activity increases, QSY with your partner to .110, .120 or higher
- I prefer to work out all 10 GHz stations before moving up to 24 GHz unless it makes sense to complete 24 GHz attempts while waiting on additional 10 GHz stations to free up, so from me:
- Be prepared to hear a “QSY to 24 GHz” once completing on 10 GHz.

# Contest details



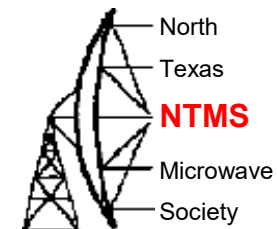
- **Contest Period:** Each weekend begins 0900 UTC Saturday and runs through 0759 UTC Monday. Participation is limited to 42 hours of operating time in each of the two contest weekends.
- **Logs are due** no later than THIRTY (30) days after the second weekend of the contest is over. Logs may be submitted either online or via mail, but electronic Cabrillo logs are the preferred method. Electronic logs must be submitted via our web app at [contests.arrr10gscoresubmission.php](http://contests.arrl.org/arrr10gscoresubmission.php)

# Contest rules



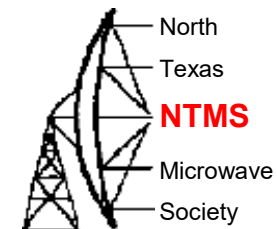
- **Bands and Modes:** Use any amateur band from 10 GHz through Light. Contacts may be made using any mode. See the Station and Equipment Restrictions rules for restrictions on contacts made above 300 GHz.
- **Entry Categories:** The two entry categories are 10 GHz Only and 10 GHz and Up. There are no power sub-categories.

# Contacts/Exchange



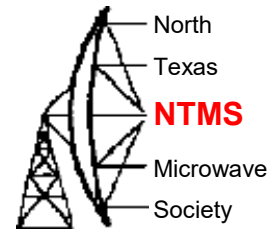
- **Contacts:** Contacts with a station may be made via terrestrial means (no Earth-Moon-Earth (EME), aeronautical mobile, or satellite contacts allowed) on each band over a distance of at least 1 km. Stations may be contacted again on the same band if either station has moved to a new location, defined as a straight-line distance of at least 16 km or 10 miles. Duplicate contacts with both stations in the same location may not be made on both weekends.
- **Exchange:** Send 6-character Maidenhead grid-square locator ([www.arrl.org/grid-squares](http://www.arrl.org/grid-squares)). A signal report is optional.

# Scoring



- **Scoring**
- Each contact counts for distance points multiplied by a *Band Factor* and QSO points as follows:
- **Distance points:**
- The distance in km between the center of the grid locators for each station multiplied by the *Band Factor*.

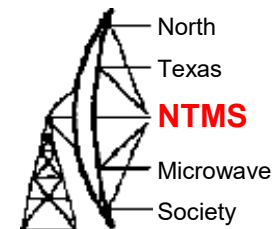
# Scoring



- Scoring
- Band Factor:

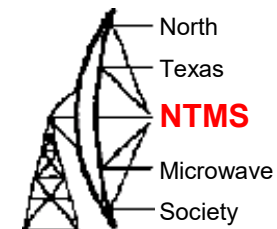
Band	Band Factor
10 GHz	1
24 GHz	2
47 GHz	3
75 GHz	4
122 GHz and up	5

# Scoring



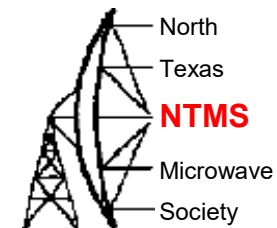
- Scoring
- Each unique call sign worked per band counts for 100 QSO points. QSO points are not multiplied by the band factor. Portable indicators added to a call sign are not considered as making the call sign unique.
- Final score:
- Total distance points plus total QSO points.

# Staying Alive



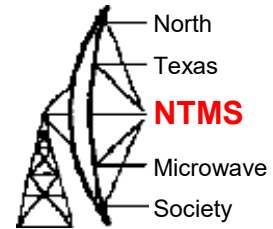
- Rovers and portable ops are *in the elements*.
- When conditions reach an unsafe level, then activity will pause or stop.
- Every person has a threshold, which may vary, for tolerating the heat.
- Dangerous levels
  - Reference the paper sent to ARRL in September 2023 regarding dangerous operating conditions and ask for consideration in pivoting the contest dates in August to the first week of September.

# Prioritize operations



- Rovers need prioritization.
- The longer we stand in the sun sending dashes, the more we will be limited to continue.
- Do not romance-the-signal. Take what you are handed and complete the contact then move on.
- Typical high-end rover weekend:
  - Fuel        700 miles – 20 mpg – 35 gal @ \$2.75 = \$96.25
  - Meals      5 @ \$35 = \$175
  - Hotel       2 nights @ \$120 = \$240
  - Total       > \$500.00

# Have fun!



- After the work is done, celebrate!
- Tally your scores and brag!
- Reflect on learnings.
- Plan improvements.
- Send in a story to share!

# Questions?

