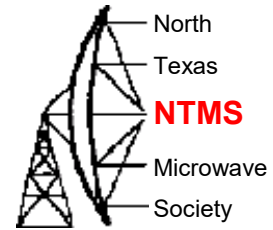


Contest plans ARRL 10 GHz & up part 1 August 16-18 2025

North Texas Microwave Society

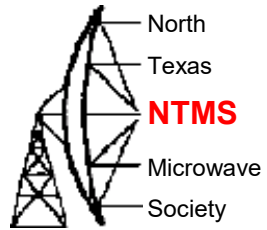
Jim McMasters KM5PO
km5po@arrl.net

Fixed, portable and rovers



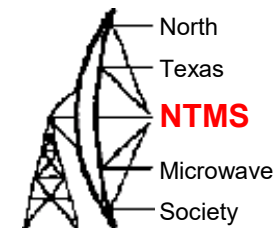
- **Fixed:**
 - W5LUA
 - AA5C
 - WB5ZDP
 - WA5WCP
 - WA5TKU?
 - W5AFY?
- **Fixed/Portable:**
 - AA5AM

Fixed, portable and rovers



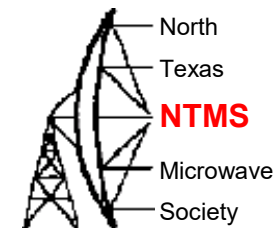
- **Rovers:**
 - **WQ5S**
 - **W5VY**
 - **W5ZCA**
 - **K5MNZ**
 - **KM5PO**
 - **KI5EMN (with KM5PO)**
 - **Others?**

KM5PO/KI5EMN schedule



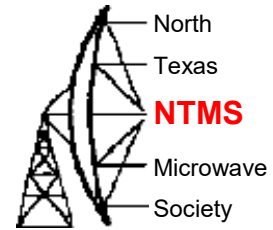
Site		Alt	W5LUA			AA5C			AA5AM			WA5TKU			
			DX	DX AZ	AZ	DX	DX AZ	AZ	DX	DX AZ	AZ	DX	DX AZ	AZ	
			EM13qc68	EM13se55	EM13sg53	EM13ii80									
Saturday 08/16/2026															
1	EM03ho08sx	Red Springs N .25 m on 2069	1396	266	283	103	279	280	101	277	279	99	202	280	99
2	EM03jn62uc	Seymour SE 4 m on 114	1426	245	282	102	258	280	100	256	278	98	181	278	98
3	EM03nk56uq	Megargel E 3.5 m off 114 on Megarel Lake Rd	1360	212	280	100	227	278	98	225	276	96	150	275	95
4	EM03pj51ob	Olney E 2 m on 114	1211	197	279	99	210	276	96	209	274	94	134	272	92
5	EM03rf44kd	Loving SW few m off 16 on RedTop Cem Rd	1229	180	274	94	195	271	91	195	269	89	120	264	85
6	EM03vg85qp	Jacksboro N ~4 mi on 148	985	147	277	97	161	274	94	160	271	91	85	265	85
7	EM03vn33qo	Joy S ~1 m X of Hwy 148 & 174	1101	157	288	109	169	284	104	167	282	102	92	286	106
Sunday 08/17/2025															
8	EM02hq39nh	Abilene/Baird S ~6 m on 283 to CR470	1860	263	261	81	280	260	80	280	258	78	210	251	71
9	EM02jw22vg	Ft Griffith Albany N ~10 m on 283	1305	245	266	86	261	264	84	261	263	83	189	257	77
10	EM03jb87uw	Throckmorton S 5 m X-Hwy 283 & 183	1418	240	270	90	254	268	88	254	266	86	181	261	81
11	EM03jj50ua	Throckmorton N 10 m on 183	1415	242	276	96	257	274	94	255	273	93	180	270	90
12	EM03mg07vq	Elbert N 1 m on 440	1180	222	275	95	237	273	93	236	271	91	161	268	88
13	EM03kq38in	Seymour N 10 m up 2582 to Pony Cr gate?	1175	243	286	106	256	284	104	253	282	101	178	284	104
14	EM03rm49se	Archer City SE Hwy 25 to 2581	1082	185	285	105	198	282	102	196	280	100	121	281	101

KM5PO/KI5EMN schedule



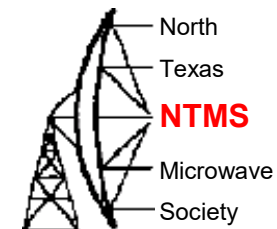
Site		Alt	W5AFY			WB5ZDP			W5HN/B 10ghz		
			DX	DX AZ	AZ	DX	DX AZ	AZ	EM13kf .368		
									DX	AZ	
Saturday 08/16/2025											
1	EM03ho08sx	Red Springs N .25 m on 2069	1396	57	191	11	284	284	104	209	86
2	EM03jn62uc	Seymour SE 4 m on 114	1426	65	171	351	263	284	104	197	100
3	EM03nk56uq	Megargel E 3.5 m off 114 on Megarel Lake Rd	1360	86	152	332	231	282	102	164	98
4	EM03pj51ob	Olney E 2 m on 114	1211	100	146	326	214	281	101	148	97
5	EM03rf44kd	Loving SW few m off 16 on RedTop Cem Rd	1229	122	145	326	198	277	97	132	90
6	EM03vg85qp	Jacksboro N ~4 mi on 148	985	140	132	312	165	280	100	101	92
7	EM03vn33qo	Joy S ~1 m X of Hwy 148 & 174	1101	118	122	302	175	290	110	107	110
Sunday 08/17/2025											
8	EM02hq39nh	Abilene/Baird S ~6 m on 283 to CR470	1860	159	183	3	278	264	84	218	73
9	EM02jw22vg	Ft Griffith Albany N ~10 m on 283	1305	134	177	357	260	269	89	197	80
10	EM03jb87uw	Throckmorton S 5 m X-Hwy 283 & 183	1418	118	174	354	255	272	92	195	84
11	EM03ji50ua	Throckmorton N 10 m on 183	1415	88	174	354	259	278	98	194	94
12	EM03mg07vq	Elbert N 1 m on 440	1180	98	163	343	239	278	98	171	91
13	EM03kq38in	Seymour N 10 m up 2582 to Pony Cr gate?	1175	50	163	343	262	288	108	192	105
14	EM03rm49se	Archer City SE Hwy 25 to 2581	1082	95	133	313	204	287	107	135	103

K5MNZ schedule



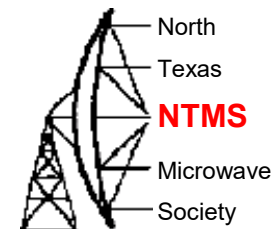
Locator	Description	Km to AI W5LUA
EM12LD61UX	Hwy 934 Milford TX	
EM12ML02UF	Midloathian TX	
EM12IL74FN	“Above” facility	
EM12IR14AN	JPS parking garage	

Use NTMS Slack



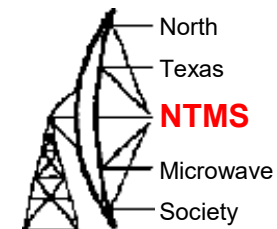
- Use # 10-ghz-and-up-contest channel
- Split off to “coordinate 1” or “coordinate 2” channels
 - Return from General then +Add Channel>Browse channels. Locate coord-1 or coord-2
- As activity increases, QSY with your partner to .110, .120 or higher
- I prefer to work out all 10 GHz stations before moving 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



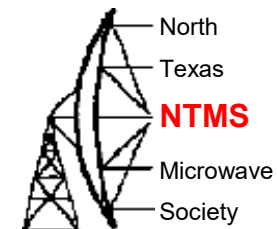
- **Contest Period:** Each weekend begins 0900 UTC Saturday and runs through 0759 UTC Monday. Participation is limited to 42 hours of operating time in each of the two contest weekends.
- **Logs are due** no later than THIRTY (30) days after the second weekend of the contest is over. Logs may be submitted either online or via mail, but electronic Cabrillo logs are the preferred method. Electronic logs must be submitted via our web app at contests.arrl.org/ar10gscoresubmission.php

Contest rules



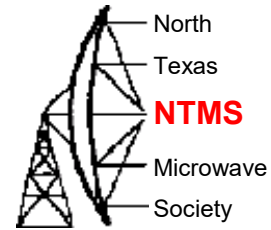
- **Bands and Modes:** Use any amateur band from 10 GHz through Light. Contacts may be made using any mode. See the Station and Equipment Restrictions rules for restrictions on contacts made above 300 GHz.
- **Entry Categories:** The two entry categories are 10 GHz Only and 10 GHz and Up. There are no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

Contacts/Exchange



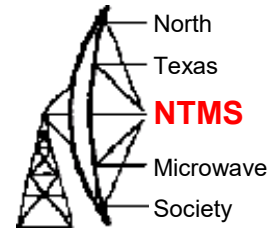
- **Contacts:** Contacts with a station may be made via terrestrial means (no Earth-Moon-Earth (EME), aeronautical mobile, or satellite contacts allowed) on each band over a distance of at least 1 km. Stations may be contacted again on the same band if either station has moved to a new location, defined 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). 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*.

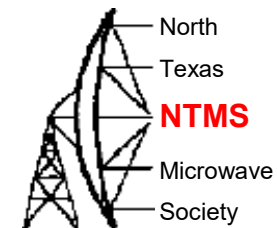
Scoring



- Scoring
- Band Factor:

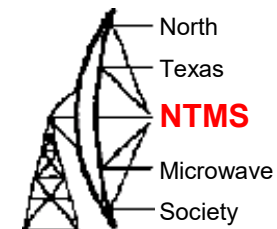
Band	Band Factor
10 GHz	1
24 GHz	2
47 GHz	3
75 GHz	4
122 GHz and up	5

Scoring



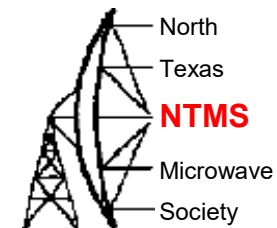
- Scoring
- Each unique call sign worked per band counts for 100 QSO points. QSO points are not multiplied by the band factor. Portable indicators added to a call sign are not considered as making the call sign unique.
- Final score:
- Total distance points plus total QSO points.

Staying Alive



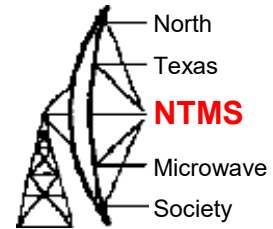
- Rovers and portable ops are *in the elements*.
- When conditions reach an unsafe level, then activity will pause or stop.
- Every person has a threshold, which may vary, for tolerating the heat.
- Dangerous levels
 - Reference the paper sent to ARRL in September 2023 regarding dangerous operating conditions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

