

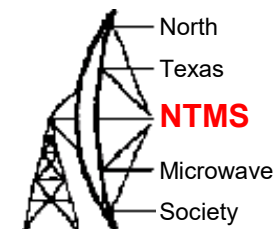
NTMS Beacons Update

W5LUA

January 12, 2026

Rev B

NTMS Beacons



North Texas Microwave Society area Beacon Status updated January 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
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

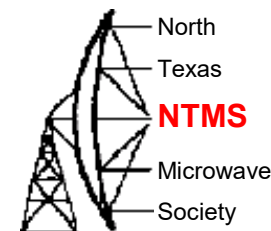
EM13sf= EM13sf89tb

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

(2) CW ID plus Q65-60C

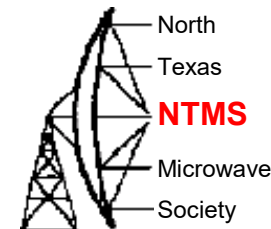
Beacons highlighted in Yellow are in Denton

Work to be done at TWU



- 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