JUNE 2016

AMATEUR RADIO COMMUNICATIONS

MILAM COUNTY ARES NEWSLETTER

Volume 9 Issue 4

Published by:
Susan Reinders, KE5LVI
Franklin Stewart, KD5WRO

MILAM COUNTY ARES NEWS

KD5WRO Commentary

NET CHANGE

The Milam County ARES Net has moved. The new time & day:7:30 pm on each Monday. This time is 30 minutes before the Milam Amateur Radio Club Net at 8 P.M. every Monday evening.

Milam ARES 147.020 Mhz. Tone 123.0 kHz
MARC 146.760 Mhz. PL tone 123.0 kHz

MARC meet each 2nd Tuesday at Taqueria Banda's in Rockdale at 7:00 P.M.

ARRL Field Day 2016

Field Day is the single most popular on-the-air event held annually in the US and Canada. More than 35,0000 radio amateurs gather annually with their clubs or groups to operate over a 27 hour period.

Field Day is a picnic, a campout, a practice for emergencies and much fun. It is both a contest and a time to test our emergency response capabilities.

Despite the development of very complex, modern communications systems, ham radio has been called into action again and again to provide communications in crisis when it really matters. Amateur radio is known for communications reliability when all else fails.

You are invited to come participate in Field Day June 25-26 from 1 PM Saturday to 4 PM Sunday. If you do not have a license you can still sit at a position and learn how to operate.

The exercise location is on US 79 Highway directly across the Highway from the Miller Ford dealership, in the open field below the Banda's Mexican Restaurant. They will be operating portable radio stations, housed in different kinds of facilities, and using various methods of power.

Milam County ARES	**Monday 7:30 PM**	**147.020**	**123.0 kHz**
Milam ARC	**Monday 8:00 PM**	**146.760**	**123.0 kHz**
Bell County Net	**Thursday 8:00 PM**	**145.130**	**123.0 kHz**
STX ARES HF Net	**Monday 7:30 PM**	**3873 kHz**	

Milam ARES 2 Meter Data Repeater 145.030 Mhz

This repeater is a simplex repeater with store and resend software in the modem at the transceiver. This call sign is CAMRLY. The repeater is on the Milam County Communication Tower and uses the same antenna as the 147.020 repeater. That antenna is a db224 with 6db gain. It is approximately 150 feet AGL.

Literature for Ham License

Technician Class Book GWTM-14 $21.95
General Class Book GWGM-15 $24.95
Extra Class Book GWEM-12 $24.95
Order from Gordon West W5YI 800-669-9594
Belton HAMFEST September 30-October 1, 2016

NOAA WEATHER FREQUENCIES

WACO	**162.475 Mhz**
BRYAN	**162.550 Mhz**

CONTACT INFORMATION

Franklin Stewart, ARRL Emergency Coordinator
254-605-0678

Milam County Judge Office
Judge Dave Barkemeyer
254-697-7000

Milam County EOC
Milam County Courthouse
102 S. Fannin Ave. Suite 2
Cameron, TX 76520-4216
Phone: 254-697-7060
Fax: 254-697-7002

US Amateur Radio Bands

US AMATEUR POWER LIMITS

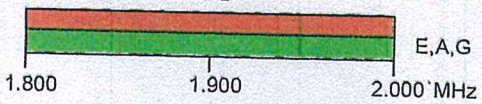
FCC 97.313 An amateur station must use the minimum transmitter power necessary to carry out the desired communications. (b) No station may transmit with a transmitter power exceeding 1.5 kW PEP.

Effective Date March 5, 2012

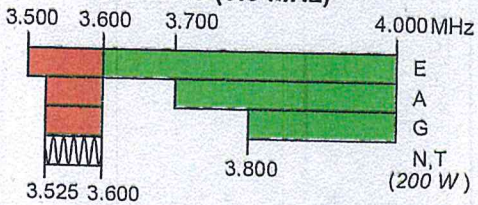
Published by:
ARRL The national association for AMATEUR RADIO®
www.arrl.org
225 Main Street, Newington, CT USA 06111-1494

160 Meters (1.8 MHz)

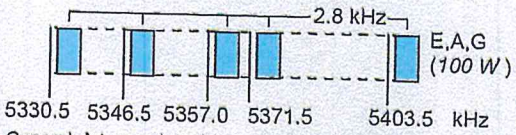
Avoid interference to radiolocation operations from 1.900 to 2.000 MHz



80 Meters (3.5 MHz)



60 Meters (5.3 MHz)



General, Advanced, and Amateur Extra licensees may operate on these five channels on a secondary basis with a maximum effective radiated output of 100 W PEP. Permitted operating modes include upper sideband voice (USB), CW, RTTY, PSK31 and other digital modes such as PACTOR III as defined by the FCC Report and Order of November 18, 2011. USB is limited to 2.8 kHz centered on 5332, 5348, 5358.5, 5373 and 5405 kHz. CW and digital emissions must be centered 1.5 kHz above the channel frequencies indicated above. Only one signal at a time is permitted on any channel.

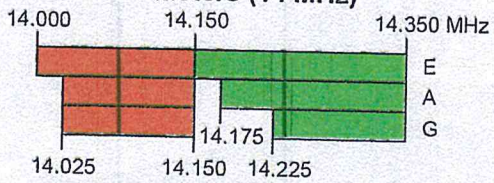
40 Meters (7 MHz)

Phone and Image modes are permitted between 7.075 and 7.100 MHz for FCC licensed stations in ITU Regions 1 and 3 and by FCC licensed stations in ITU Region 2 West of 130 degrees West longitude or South of 20 degrees North latitude. See Sections 97.305(c) and 97.307(f)(11).
Novice and Technician licensees outside ITU Region 2 may use CW only between 7.025 and 7.075 MHz and between 7.100 and 7.125 MHz. 7.200 to 7.300 MHz is not available outside ITU Region 2. See Section 97.301(e). These exemptions do not apply to stations in the continental US.

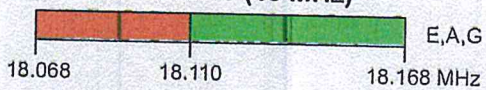
30 Meters (10.1 MHz)

Avoid interference to fixed services outside the US.

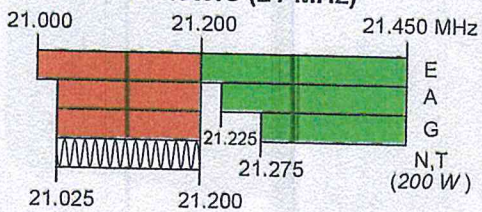
20 Meters (14 MHz)



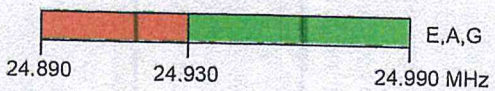
17 Meters (18 MHz)



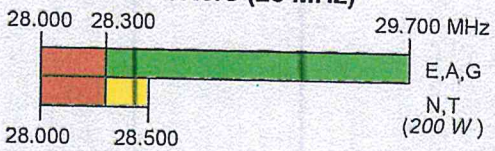
15 Meters (21 MHz)



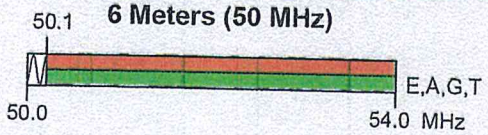
12 Meters (24 MHz)



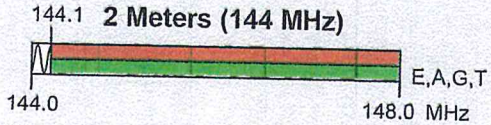
10 Meters (28 MHz)



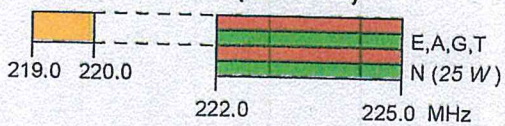
6 Meters (50 MHz)



2 Meters (144 MHz)

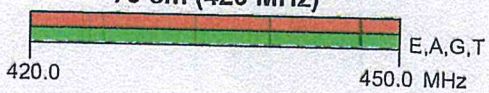


1.25 Meters (222 MHz)

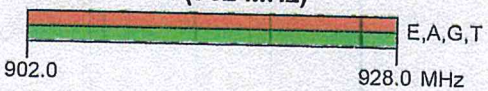


*Geographical and power restrictions may apply to all bands above 420 MHz. See *The ARRL Operating Manual* for information about your area.

70 cm (420 MHz)*



33 cm (902 MHz)*



23 cm (1240 MHz)*

All licensees except Novices are authorized all modes on the following frequencies:

2300-2310 MHz	10.0-10.5 GHz *	122.25-123.0 GHz
2390-2450 MHz	24.0-24.25 GHz	134-141 GHz
3300-3500 MHz	47.0-47.2 GHz	241-250 GHz
5650-5925 MHz	76.0-81.0 GHz	All above 275 GHz

* No pulse emissions

KEY

Note:
CW operation is permitted throughout all amateur bands.

MCW is authorized above 50.1 MHz, except for 144.0-144.1 and 219-220 MHz.

Test transmissions are authorized above 51 MHz, except for 219-220 MHz.

- = RTTY and data
- = phone and image
- = CW *only*
- = SSB phone
- = USB phone, CW, RTTY, and data
- = Fixed digital message forwarding systems *only*

E = Amateur Extra
A = Advanced
G = General
T = Technician
N = Novice

See *ARRLWeb* at www.arrl.org for detailed band plans.

ARRL
We're At Your Service

ARRL Headquarters:
860-594-0200 (Fax 860-594-0259)
email: hq@arrl.org

Publication Orders:
www.arrl.org/shop
Toll-Free 1-888-277-5289 (860-594-0355)
email: orders@arrl.org

Membership/Circulation Desk:
www.arrl.org/membership
Toll-Free 1-888-277-5289 (860-594-0338)
email: membership@arrl.org

Getting Started in Amateur Radio:
Toll-Free 1-800-326-3942 (860-594-0355)
email: newham@arrl.org

Exams: 860-594-0300 email: vec@arrl.org