

March
2020



www.marcwireless.org

Jan 2020 Draft Band Plan

NOTICE
The board, in an abundance of caution, has voted to cancel this month's meetings (board, membership & library) due to concerns about COVID-19.

Band	License Class	KHz						
80 Meters	Frequency	3,500 – 3,525	3,525 – 3,600	3,600 – 3,650	3,650 – 3,700	3,700 – 3,800	3,800 – 3,900	3,900 – 4,000
	Extra	RTTY & NB	RTTY & NB	RTTY, NB, & WB	Phone & Image	Phone & Image	Phone & Image	Phone & Image
	Advanced		RTTY & NB	RTTY, NB, & WB		Phone & Image	Phone & Image	Phone & Image
	General		RTTY & NB	RTTY, NB, & WB			Phone & Image	Phone & Image
	Technician		RTTY & NB	RTTY, NB, & WB				Phone & Image
40 Meters	Frequency	7,000 – 7,025	7,025 – 7,100	7,100 – 7,125	7,125 – 7,175	7,175 – 7,225	7,225 – 7,300	
	Extra	RTTY & NB	RTTY & NB	RTTY, NB, & WB	Phone & Image	Phone & Image	Phone & Image	
	Advanced		RTTY & NB	RTTY, NB, & WB	Phone & Image	Phone & Image	Phone & Image	
	General		RTTY & NB	RTTY, NB, & WB		Phone & Image	Phone & Image	
	Technician		RTTY & NB	RTTY, NB, & WB			Phone & Image	
30 Meters	Frequency	10,100 – 10,135	10,135 – 10,150					
	Extra	RTTY & NB	RTTY, NB, & WB					
	Advanced	RTTY & NB	RTTY, NB, & WB					
	General	RTTY & NB	RTTY, NB, & WB					
20 Meter	Frequency	14,000 – 14,025	14,025 – 14,105	14,105 – 14,150	14,150 – 14,175	14,175 – 14,225	14,225 – 14,350	
	Extra	RTTY & NB	RTTY & NB	RTTY, NB, & WB	Phone & Image	Phone & Image	Phone & Image	
	Advanced		RTTY & NB	RTTY, NB, & WB		Phone & Image	Phone & Image	
	General		RTTY & NB	RTTY, NB, & WB			Phone & Image	
17 Meters	Frequency	18,068 – 18,105	18,105 – 18,110	18,110 – 18,168				
	Extra	RTTY & NB	RTTY, NB, & WB	Phone & Image				
	Advanced	RTTY & NB	RTTY, NB, & WB	Phone & Image				
	General	RTTY & NB	RTTY, NB, & WB	Phone & Image				
15 meters	Frequency	21,000 – 21,025	21,025 – 21,150	21,150 – 21,200	21,200 – 21,225	21,225 – 21,275	21,275 – 21,350	21,350 – 21,450
	Extra	RTTY & NB	RTTY & NB	RTTY, NB, & WB	Phone & Image	Phone & Image	Phone & Image	Phone & Image
	Advanced		RTTY & NB	RTTY, NB, & WB		Phone & Image	Phone & Image	Phone & Image
	General		RTTY & NB	RTTY, NB, & WB			Phone & Image	Phone & Image
	Technician		RTTY & NB	RTTY, NB, & WB				Phone & Image
12 Meters	Frequency	24,890 – 24,925	24,925 – 24,930	24,930 – 24,990				
	Extra	RTTY & NB	RTTY, NB, & WB	Phone & Image				
	Advanced	RTTY & NB	RTTY, NB, & WB	Phone & Image				
	General	RTTY & NB	RTTY, NB, & WB	Phone & Image				
10 meters	Frequency	28,000 – 28,120	28,120 – 28,189	28,189 – 28,300	28,300 – 28,500	28,300 – 28,500	28,500 – 29,700	
	Extra	RTTY & NB	RTTY, NB, & WB	RTTY & NB	Phone & Image		Phone & Image	
	Advanced	RTTY & NB	RTTY, NB, & WB	RTTY & NB	Phone & Image		Phone & Image	
	General	RTTY & NB	RTTY, NB, & WB	RTTY & NB	Phone & Image		Phone & Image	
	Technician	RTTY & NB	RTTY, NB, & WB	RTTY & NB		SSB Phone		

ARRL is recognizing that with the extreme popularity of digital modes, they are making up a larger percentage of the lower frequency segment of the HF bandplans usage. They expect modes like FT8, that has had a rapid and extreme rise of usage, will produce even more evolutionary changes in HF usage. They have also seen that within the digital modes, a large increase in automatically controlled digital stations. They expect this trend to continue. With this retrospect, ARRL revived the HF Bandplanning Committee in August of 2019 to propose to the FCC a new segment allocation for usage of the Part 97 privileges.

In January, 2020, the committee released their report. With no new spectrum space being created, they have looked at re-assigning the allocations of the segments. They concluded that there was the need to provide distinct assignments for CW, Narrow Band Data (emission bandwidth less than 500 Hz), Wide Band Data (emission bandwidth less than 2800 Hz), and Automatically Controlled Digital Stations within the non-phone segments. These all needed to work with existing spectrum, and need for US usage must work well with the two other IARU regions with the large amount of data modes used for DX operations.

The general opinion of the committee is there was justification for additional space to become available for digital modes and operation of digital stations under automatic control. With the growth of data modes expected to continue, the new digital allocations are expected to be sufficient for some growth. With Automatically Controlled Digital Stations (ACDS), they decided to provide just a single allocation in the bands irrespective of bandwidth of the mode. Planning also includes the historical contradiction to the plan, the precedence that CW must be applicable everywhere in the band.

Using data and charts within the Rev3h of the Draft Band Plan appendix of ARRL's report, I tried to build an overall look at what the new band plan could look like. Including the 2018 changes in the proposal already delivered to the FCC to expand Technician license privileges within the HF bands. My chart is not a complete chart, as it only addresses the FCC region with ITU Region 2 East of the longitude at 130 degrees West and above the latitude at 20 degrees North and not locations in Region 2 West and South of this longitude and latitude. It also does not address ITU Regions 1 and 3. This chart can be seen on the first page.

Also included in the charts are the impacts of the previously submitted Petition 11759 to the FCC for the allocations to adjust the 80 meter phone region and changes related to increasing the HF privileges for the Technician class license. Their reasoning with that petition, is the recent Technician Class license tests already cover topics necessary for proper knowledge of operation within the HF bands.

The segments labeled RTTY & NB would allow RTTY and narrow band digital modes. The regions labeled RTTY, NB, & WB would allow RTTY, narrow band, wide band digital modes. While not labeled, the segment that permits wide band digital modes would also be available for ACDS. Phone and Image are allowed in within the segments labeled Phone & Image. As mentioned earlier CW can be used across the band designations.

YCARES Emergency Frequency List

The list of frequencies provided here are published to all Hams to be informed of where communications operations will occur within Yamhill County during emergency operations. All ARES members should have the repeaters and simplex frequencies programmed into their primary hand held VHF/UHF radio. MARC members are encouraged as well. Simplex Frequencies can change or added due to conditions and needs. Know how to add and change simplex frequencies in VFO Mode on your radio!

Priority	Mode	Frequency PL Tone	Offset	Call
Primary	Repeater	441.800 MHz 114.8 Hz	+5.0 MHz	W7YAM
Secondary	Repeater	146.640 MHz 100.0 Hz	-0.6 MHz	W7RXJ
Tertiary	Repeater	442.550 MHz 114.8 Hz	+5.0 MHz	KOINK
Primary	Simplex	146.400 MHz	VHF	
Secondary	Simplex	147.520 MHz	VHF	
Primary	Simplex	432.150 MHz	UHF	
Secondary	Simplex	431.150 MHz	UHF	
Eola Hills	WinLink	144.920 MHz	VHF	W7YAM-10
EOG	WinLink	144.960 MHz	VHF	W7YAM-11
Eola Hills	WinLink	441.050 MHz	UHF	W7YAM-12
Newberg Dundee	Winlink	145.080 MHz	VHF	W7OWO-10

Local Nets

MARC Net			YCARES Net			
Monday March 2 nd	7:00 pm	146.640 - PL100	Monday March 2 nd	7:30 pm	441.800-PL114.8	Keith/AA6TK
Monday March 9 th	7:00 pm	146.640 - PL100	Monday March 9 th	7:30 pm	441.800-PL114.8	Anthony/KI7ZBQ
Monday March 16 th	7:00 pm	146.640 - PL100	Monday March 16 th	7:30 pm	441.800-PL114.8	Burt/K3BRT
Monday March 23 rd	7:00 pm	146.640 - PL100	Monday March 23 rd	7:30 pm	441.800-PL114.8	Katie/AA6TK
Monday March 30 th	7:00 pm	146.640 - PL100	Monday March 30 th	7:30 pm	146.640-PL100	Jane/W7LAW
Monday April 6 th	7:00 pm	146.640 - PL100	Monday April 6 th	7:30 pm	441.800-PL114.8	Jake/KG7LAV
Monday April 13 th	7:00 pm	146.640 - PL100	Monday April 13 th	7:30 pm	441.800-PL114.8	Steve/KW7S
Yamhill County Weather Spotter Net			CERT Net			
Sunday March 15 th	6:00 pm	146.640 - PL100	Sunday March 15 th	7:00 pm	146.640 - PL100	

If you have a newsworthy small point of interest you would like presented in the MARC newsletter. Here is the place for them. Just send an email to me (Brian, W7OWO) my email address shown in the Club Officers call-out. Entries will be approved by the board.

*Special Services
Club*

About Us

**The McMinnville Amateur Radio Club
PO Box 891
McMinnville, Oregon 97128**

The McMinnville Amateur Radio Club (MARC) was founded in mid- 1981 by a group of Yamhill County area amateur radio operators who wished to share their common interests. An association was formed of men and women devoted to probing all facets of amateur radio.

2019 Club Officers

President	Anthony Perez, KI7ZBQ	anthony.perez@marcwireless.org
Vice President	Jeff Monahan, NI7X	jeff.monahan@marcwireless.org
Secretary	Jayne Wolf, KI7MZP	jayne.wolf@marcwireless.org
Treasurer	Katie Perez, KI7ZLL	katie.perez@marcwireless.org
Board Member	Craig Merrick, W7EEO	craig.merrick@marcwireless.org
Board Member	Fred Rodley, N0NNO	fred.rodley@marcwireless.org
Board Member	Brian Wright, W7OWO	brian.wright@marcwireless.org

Local Open Repeaters

**W7RXJ 146.640- PL tone 100 Hz
W7YAM 441.800+ PL tone 114.8 Hz
K0INK 442.550+ PL tone 100.0 Hz**

Repeaters

If you have a newsworthy small point of interest you would like presented in the MARC newsletter. Here is the place for them. Just send an email to me at W7OWO@marcwireless.org. Entries may require Board approval.

2020 MEMBERSHIP APPLICATION

(A completed application form must be included with yearly dues)

Please print:

Name: _____ Call Sign: _____ Class: T G A E

E-mail address (required): _____ @ _____

Address: _____

City: _____ State: _____ Zip: _____ Phone #: _____ Home / Mobile
(circle one)

Date first licensed: _____ / _____ Birthday: _____ / _____ ARRL Member? Y / N
month year month day

Renewal? Yes / No New? Y / N (New to MARC? You will receive a MARC Membership Badge!)

Annual Club Membership - **\$20.00** per person/family at the same address..... **\$ 20.00**

Your MARC membership begins from date of signup or renewal to December 31 of the same calendar year.

Additional Voluntary donation – for repeater support and club projects.....**\$ ____**
Total \$ ____

Additional Family Members:

(**ALL** family members must reside at the same address.)

Name: _____ Call sign: _____ Birthday: _____ / _____ Class: T G A E

E-mail address: _____ @ _____ ARRL? Y / N Renewal Y / N

Name: _____ Call sign: _____ Birthday: _____ / _____ Class: T G A E

E-mail address: _____ @ _____ ARRL? Y / N Renewal Y / N

Please include any additional family members on back.

I do / do not want my name, call sign, email & phone number published to the membership

Circle one

Initial Here

Signature of Applicant: _____ Date: _____



Make check payable to “MARC”. Give to Club Officer or mail application to:

McMinnville Amateur Radio Club

PO Box 891

McMinnville, OR 97128

Club meetings are the **second** Thursday of each month at 7PM:

OSU Extension Service Office

2050 NE Lafayette Ave

McMinnville, OR 97128

For Office Use Only:

Processed by Treasurer: _____ Secretary: _____

Date Received: _____

Cash/Check #: _____

Amount: _____

Receipt: _____

document is for general guidance on matters of interest only.