

# HF Bandplanning Committee Recommendations

Rev3f – 12 Dec 2019

# Notes

- “ Addresses 160, 80, 40, 30, 20, 17, 15, 12 and 10 meter bands, only
- “ No changes to other bands
- “ Uses same format as “US Amateur Bands” graphic available on ARRL website.
  - “ ACDS operation frequency ranges per Part 97.221b not included on existing ARRL chart
- “ Band-by-band comparison provided for current and then recommended band plan
- “ Current frequencies where ACDS (NB only) permitted shown as overlay to Current Band Plan graphic


# Current Band Plan

## 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.

Amateurs wishing to operate on either 2,200 or 830 meters must first register with the Utilities Technology Council online at <https://utc.org/plc-database-amateur-notification-process/>. You need only register once for each band.



**ARRL**  
The national association for  
**AMATEUR RADIO**

**KEY**

- = 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

**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.

See **ARRLWeb** at [www.arrl.org](http://www.arrl.org) for detailed band plans.

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**2,200 Meters (135 kHz)**  
135.7 kHz 1 W EIRP maximum 137.8 kHz E, A, G

**630 Meters (472 kHz)**  
472 kHz 479 kHz 5 W EIRP maximum, except in Alaska within 496 miles of Russia where the power limit is 1 W EIRP. E, A, G

**160 Meters (1.8 MHz)**  
1.800 1.900 2.000 MHz Avoid interference to radiolocation operations from 1.900 to 2.000 MHz. E, A, G

**80 Meters (3.5 MHz)**  
3.500 3.600 3.700 4.000 MHz 3.525 3.600 3.800 E, A, G, N, T (200 W)

**60 Meters (5.3 MHz)**  
CW, 5332 5348 5358.5 5373 5405 kHz Dig 2.8 kHz USB 5330.5 5346.5 5357.0 5371.5 5403.5 kHz E, A, G (100 W)

General, Advanced, and Amateur Extra licensees may operate on these five channels on a secondary basis with a maximum effective radiated power (ERP) of 100 W PEP relative to a half-wave dipole. Permitted operating modes include upper sideband voice (USB), CW, RTTY, PSK31 and other digital modes such as PACTOR III. Only one signal at a time is permitted on any channel.

**40 Meters (7 MHz)**  
7.000 7.075 7.100 7.300 MHz ITU 1,3 and FCC region 2 west of 130° west or below 20° north. E, A, G, N, T (200 W)  
7.025 7.125 N, T outside region 2

See Sections 97.305(c), 97.307(f)(11) and 97.301(e). These exemptions do not apply to stations in the continental US.

**30 Meters (10.1 MHz)**  
10.100 10.150 MHz 200 Watts PEP E, A, G

Avoid interference to fixed services outside the US.

**20 Meters (14 MHz)**  
14.000 14.150 14.350 MHz E, A, G

**17 Meters (18 MHz)**  
18.068 18.110 18.168 MHz E, A, G

**15 Meters (21 MHz)**  
21.000 21.200 21.450 MHz E, A, G, N, T (200 W)  
21.025 21.200 21.225 21.275

**12 Meters (24 MHz)**  
24.890 24.930 24.990 MHz E, A, G

**10 Meters (28 MHz)**  
28.000 28.300 29.700 MHz E, A, G, N, T (200 W)

**6 Meters (50 MHz)**  
50.1 50.0 54.0 MHz E, A, G, T

**2 Meters (144 MHz)**  
144.1 144.0 148.0 MHz E, A, G, T

**1.25 Meters (222 MHz)**  
219.0 220.0 222.0 225.0 MHz E, A, G, T, N (25 W)

\* 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)\***  
420.0 450.0 MHz E, A, G, T

**33 cm (902 MHz)\***  
902.0 928.0 MHz E, A, G, T

**23 cm (1240 MHz)\***  
1240 1300 MHz E, A, G, T, N (5 W)  
1270 1295

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  
6650-6925 MHz 76.0-81.0 GHz All above 275 GHz

‡ No pulse emissions

# New Key

**Notes:**

CW operation is permitted throughout all amateur bands.

Maximum power output of 1500 watts unless otherwise indicated.

Following frequencies (+/- 500 Hz) are reserved for HF propagation beacons:

14.100, 18.110, 21.150, 24.930, and 28.200 KHz.



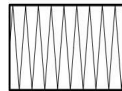
= RTTY and NB data



= RTTY, NB data and WB data;  
All ACDS



= phone and image

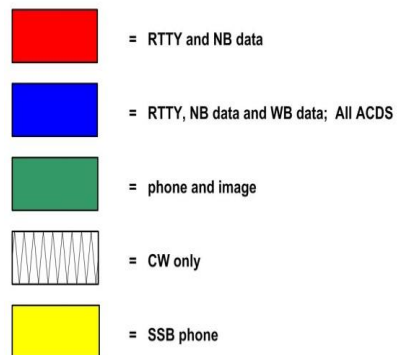


= CW only

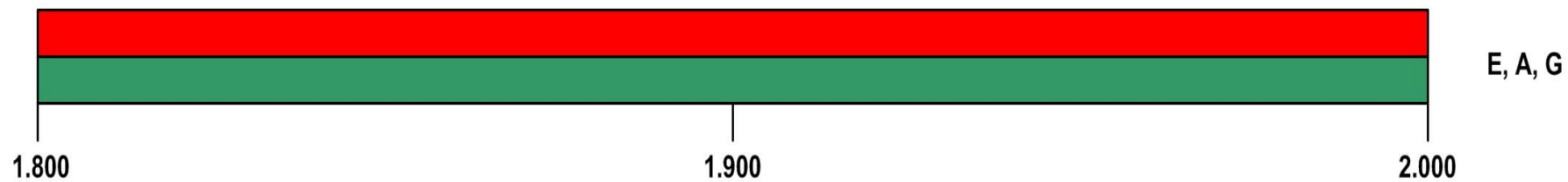


= SSB phone

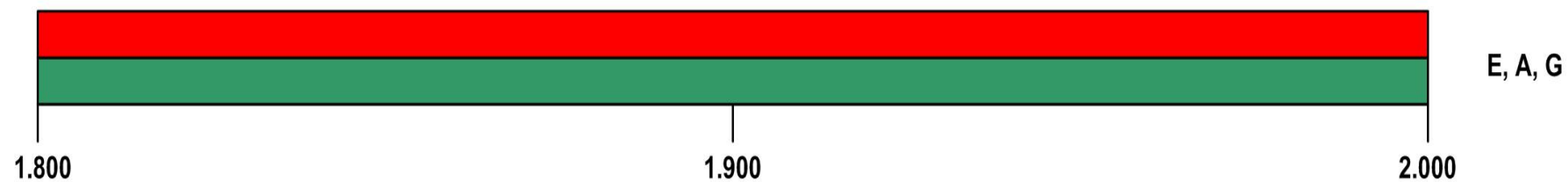
# 160 meters



*Current band plan*



*Recommended band plan*



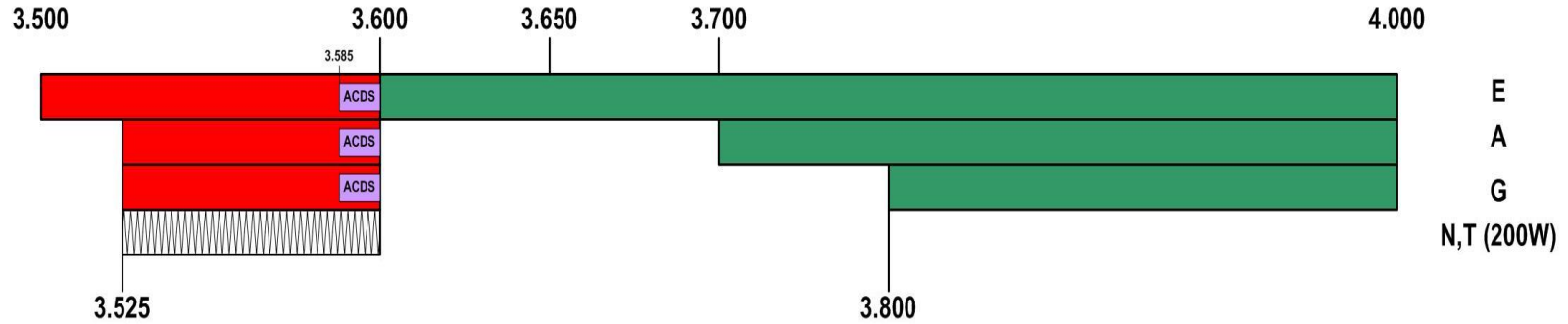
# Recommended changes – 160m

” None

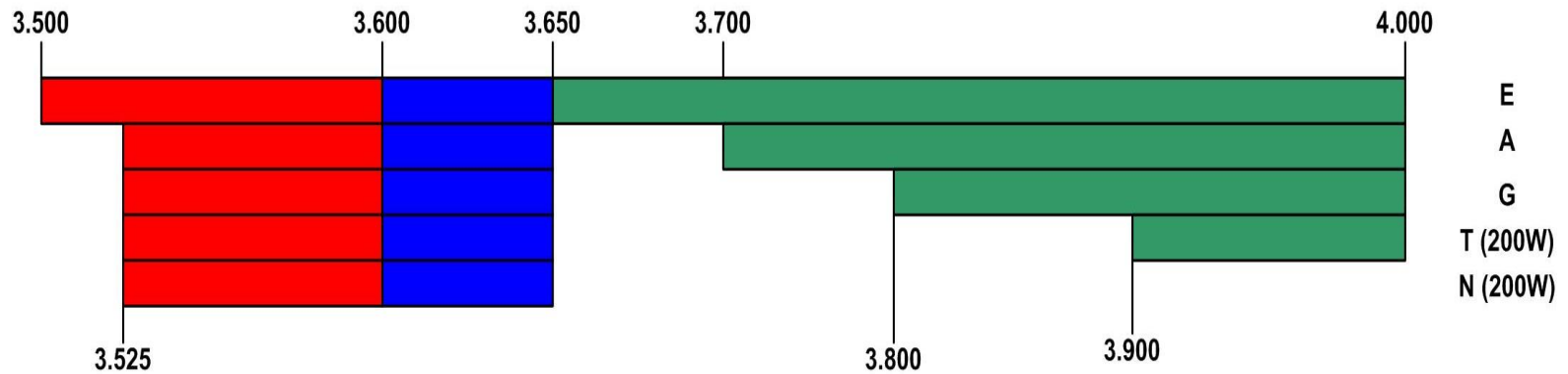
# 80 meters

- = RTTY and NB data
- = RTTY, NB data and WB data; All ACDS
- = phone and image
- = CW only
- = SSB phone

*Current band plan*



*Recommended band plan*

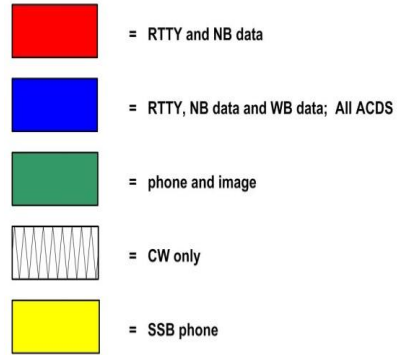


# Recommended changes – 80m

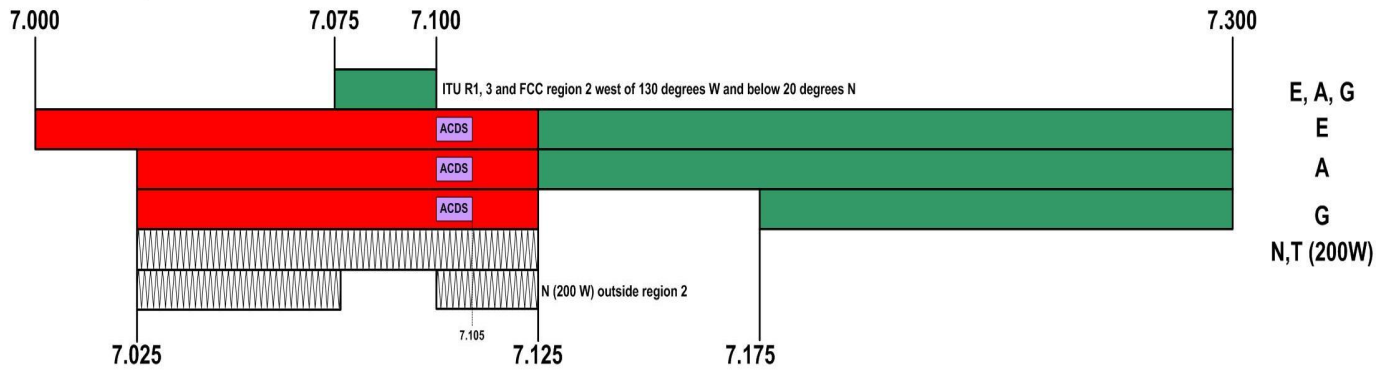
1. Change low end of phone band up to 3.650 MHz consistent with RM-11759
2. Add NB and WB data between 3.600 and 3.650 MHz
3. Permit ACDS operation between 3.600 and 3.650 MHz
4. Expand A and G class operation from 3.600 to 3.650 MHz
5. Add expanded Technician Class privileges consistent with RM-11828
6. Added RTTY/Data operating privileges for Novice class consistent with RM-11759



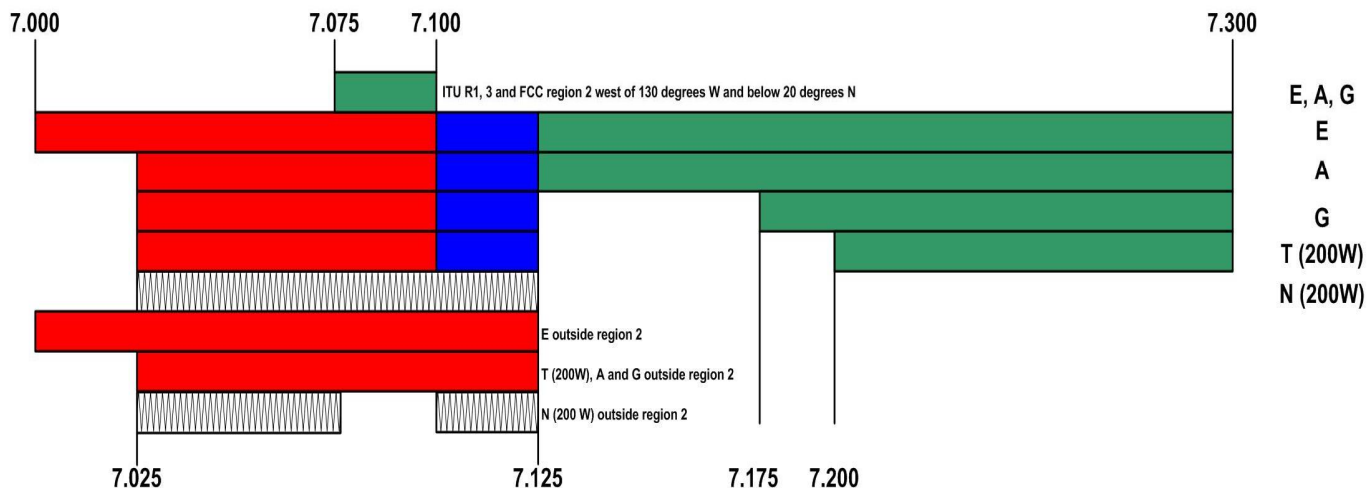
# 40 meters



**Current band plan**








**Recommended band plan**



# Recommended changes – 40m

1. Add WB data between 7.100 and 7.125 MHz
2. Expands ACDS operation from 5 kHz to 25 kHz
3. Changes ACDS operating band to 7.100 to 7.125 MHz
4. Add expanded Technician Class privileges consistent with RM-11828
5. Adds clarification to Band Plan for US Amateurs operating outside Region 2
6. No recommendations for ACDS operation outside Region 2

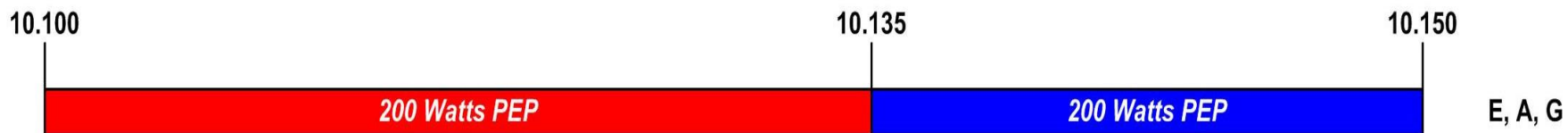
# 30 meters

-  = RTTY and NB data
-  = RTTY, NB data and WB data; All ACDS
-  = phone and image
-  = CW only
-  = SSB phone

## Current band plan



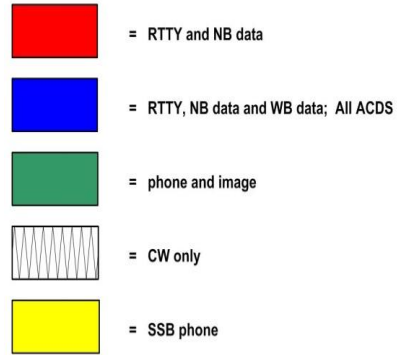
## Recommended band plan



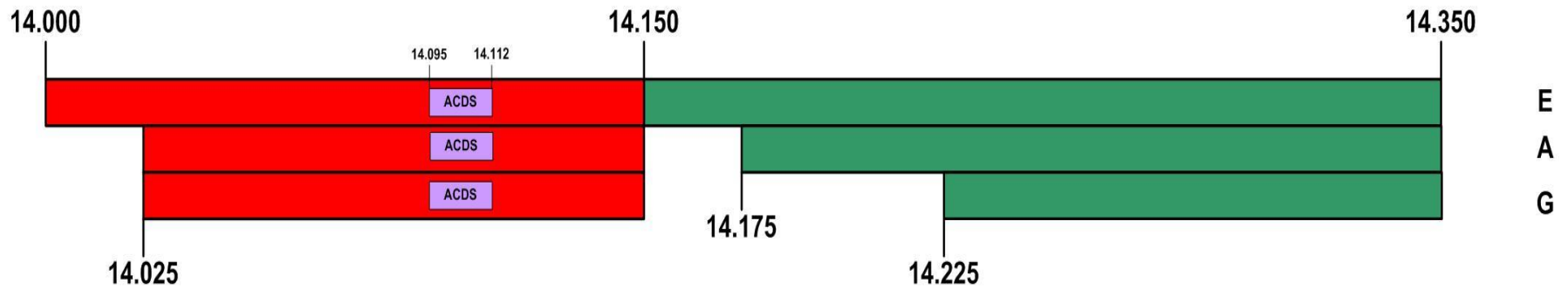
# Recommended changes – 30m

1. Adds WB data from 10.135 to 10.150 MHz
2. Expands ACDS operation to 15 kHz from 10.135 to 10.150 MHz

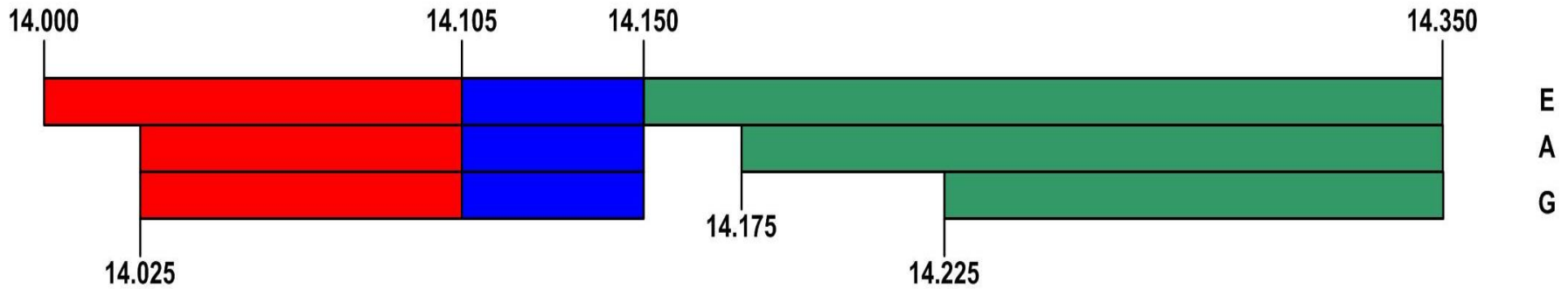
# 20 meters



*Current band plan*



*Recommended band plan*



# Recommended changes – 20m

1. Adds WB data from 14.105 to 14.150 MHz
2. Expands ACDS operation to 45 kHz from 14.105 to 14.150 MHz

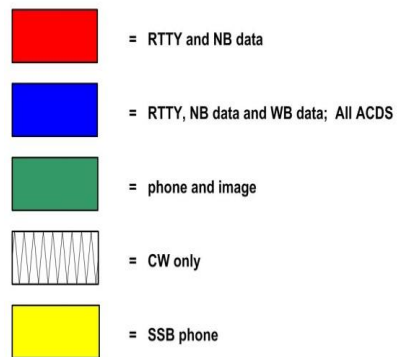


# Recommended changes – 17m

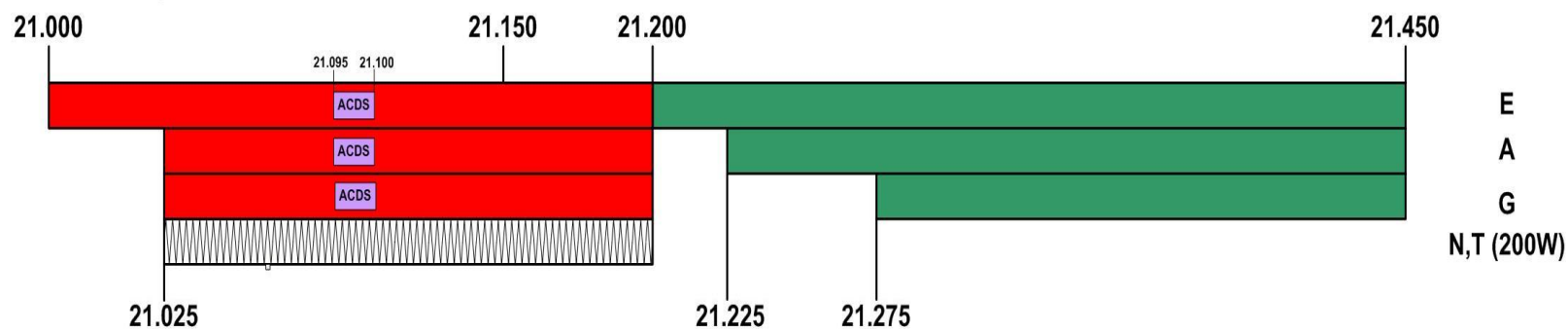
” Added WB data from 18.105 to 18.110 MHz



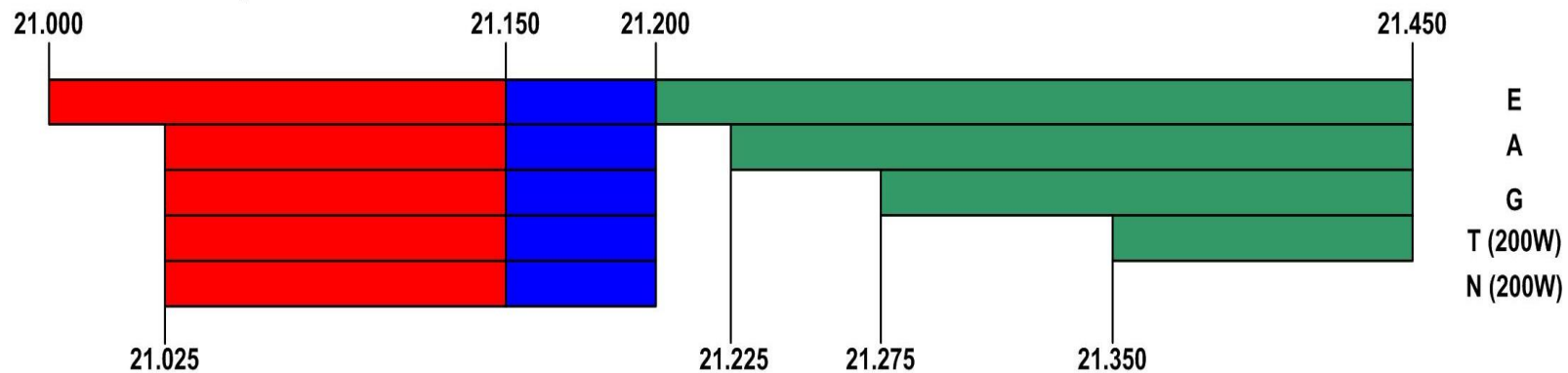
# 15 meters



*Current band plan*



*Recommended band plan*



# Recommended changes – 15m

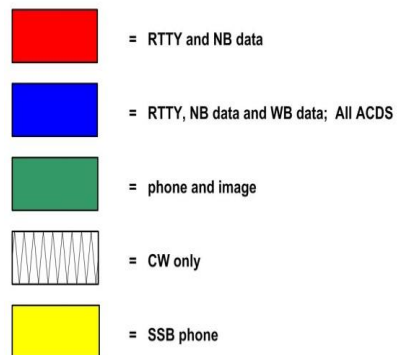
1. Adds WB data from 21.150 to 21.200 MHz
2. Expands ACDS operation to 50 kHz from 21.150 to 21.200 MHz
3. Add expanded Technician Class privileges consistent with RM-11828
4. Added RTTY/Data operating privileges for Novice class consistent with RM-11759



# Recommended changes – 12m

” Added WB data from 24.925 to 24.930 MHz

# 10 meters



*Current band plan*



*Recommended band plan*



# Recommended changes – 10m

1. Adds WB data from 28120 to 28190 kHz
2. Adds NB and WB data in “Experimental Data Band” from 29.200 to 29.300 MHz for E, A and G license classes
3. Expands ACDS operation additional 100 kHz from 29.200 to 29.300 MHz
4. Add expanded Technician Class privileges consistent with RM-11828