WD2XSH BAND PLAN FOR 461 - 478 kHz
Prepared by Fritz Raab W1FR
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   This note presents the band plan and frequency assignments for use of the "low" band from 461 to 478 kHz. The band plan segregates beacons, WSPR, QRSS, and communication. All four sub-bands are situated so that all can be accessed with a tuning range of only about 4 kHz.

   This band plan is considerably more simple than the one for 495 - 510 kHz [M09-6] because there are no known other users in the band or at its edges. Operators should nonetheless monitor and be alert for other signals in this band. Any confirmed signals should be reported to the experiment coordinator.

BAND PLAN

   The band plan is shown in Figure 1 and specific sub-bands are given below.
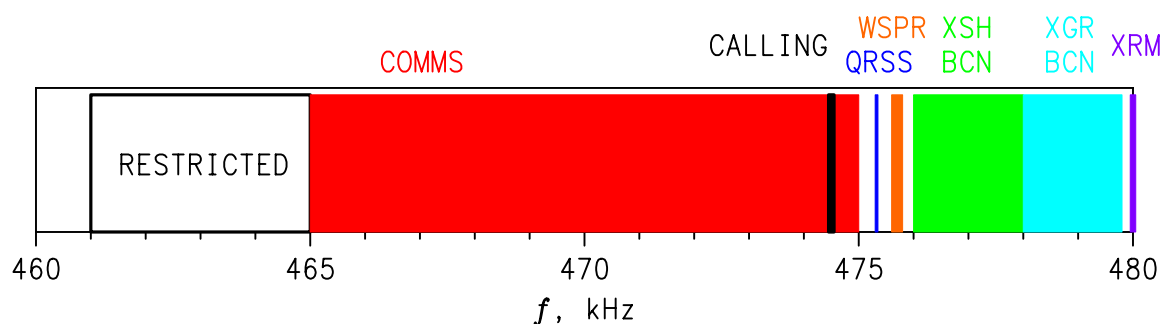

Figure 1. Band plan for 461 - 478 kHz.

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FREQUENCY, kHz      USE

480                 WA2XRM (WORW)
478 - 479.8         WE2XGR beacons
476 - 478           WD2XSH CW/data beacons (40 x 50-Hz spacing)
475.6 - 475.8       WSPR
475.3 - 475.35      QRSS  50 x 2-Hz spacing
475                 Calling
465 - 475           Communications
461 - 464           Restricted for now to avoid HA-DGPS and 455-kHz IF
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WD2XSH CW/DATA BEACONS

   The 2 kHz allocated to beacons allows up to 40 stations to operate with separations of 50 Hz.

```
f, kHz  STATION

476.0    /20    N6LF
476.1    /5     KW1I
476.2
476.3    /7     W5JGV
476.4    /14    W1FR
476.5    /45    KL7UW
476.6
476.7    /6     W5THT
476.8
476.9    /37    W1XP


477.0
477.1    /15    W5OR
477.2
477.3    /10    W4DEX
477.4    /44    AC6QV
477.5    /29    KN8AZN
477.6  WG2XIQ  KB5NJD
477.7    /28    KL7Q
477.8    /38    KN1H
477.9    /31    WA1ZMS
```

QRSS FREQUENCIES

The QRSS band is only 50 Hz wide so that all stations can be located in a single 37-Hz Argo window.

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f, kHz     STATION

475.300
475.302
475.304
475.306
475.308

475.310     /14   W1FR
475.312
475.314
475.316
475.318     /38   KN1H

475.320
475.322     /6    W5THT
475.324
475.326     /45   KL7UW
475.328

475.330     /15    W5OR
475.332
475.334     /28   KL7Q
475.336
475.338     /7    W5JGV

475.340
475.342     /10   W4DEX
475.344
475.346     /37   W1XP
475.348

475.350     /31   WA1ZMS
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NOTES

The modems used by /6 and /7 limit them to the following frequencies.

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460.300 - 463.600
464.300 - 467.600
468.300 - 471.600
472.300 - 475.600
476.300 - 479.600
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