

WD2XSH BAND PLAN FOR 461 - 478 kHz
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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.

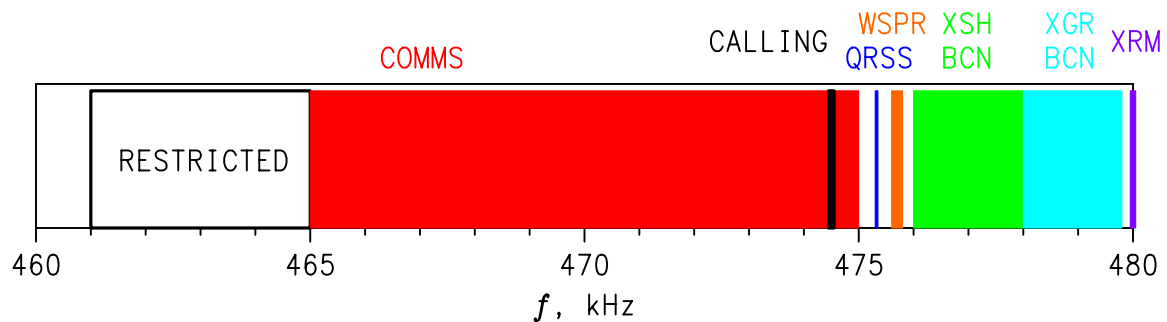


Figure 1. Band plan for 461 - 478 kHz.

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

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		
477.5	/29	KN8AZN
477.6		
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.

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 W50R
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

NOTES

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

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