

## FREQUENCY AUTHORIZATIONS FOR WD2XSH

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### 1. AUTHORIZED OPERATING FREQUENCIES

The use of the following frequencies is hereby authorized through August 1, 2015 at 03:00. These assignments are consistent with our grant from the FCC and the need to prevent interference to other services.

AMATEUR CALL	EXPERIMENTAL CALL	FREQUENCIES AUTHORIZED
W1NZR	WD2XSH/1	465-478, 495-499, 499-501 (m), 501-510
W5TVW	WD2XSH/2	465-478, 495-499, 499-501 (m), 501-510 (j)
KW1I	WD2XSH/5	465-478, 495-499, 499-501 (m), 501-510
W5THT	WD2XSH/6	465-478, 495-499, 499-501 (m), 501-510
W5JGV	WD2XSH/7	465-478, 495-499, 499-501 (m), 501-510
N4ICK	WD2XSH/8	465-478, 495-499, 499-501 (m), 501-503, 503-507 (c), 507-510, (i)(j)
W2ILA	WD2XSH/9	465-478, 495-499, 499-501 (m), 501-510
W4DEX	WD2XSH/10	465-478, 495-499, 499-501 (m), 501-503, 503-507 (c), 507-510, (i)
WS4S	WD2XSH/11	465-478, 495-499, 499-501 (m), 501-510 (j)
AI8Z	WD2XSH/12	465-478, 495-499, 499-501 (m), 501-508 (d)(k)
KOJO(SK)	WD2XSH/13	465-478, 495-499, 499-501 (m), 501-508 (d)(k)(l)
W1FR	WD2XSH/14	465-478, 495-499, 499-501 (m), 501-510
W5OR	WD2XSH/15	465-478, 495-499, 499-501 (m), 501-510
WEOH	WD2XSH/16	465-478, 495-499, 499-501 (m), 501-508 (d)(k)
AA1A	WD2XSH/17	465-478, 495-499, 499-501 (m), 501-510
N1EA	WD2XSH/18	465-478, 495-499, 499-501 (m), 501-510 (j)
K9EUI	WD2XSH/19	465-478, 495-499, 499-501 (m), 501-508 (d)(k)
N6LF	WD2XSH/20	465-478, 495-499, 499-501 (m), 501-510
WB2FCN	WD2XSH/22	465-478, 495-499, 499-501 (m), 501-510
K2ORS	WD2XSH/23	465-478, 495-499, 499-501 (m), 501-510
W7EKB	WD2XSH/24	465-478, 495-499, 499-501 (m), 501-510
-----	WD2XSH/25	465-478, 495-499, 499-501 (m), 501-510 (l)
W7WKR	WD2XSH/26	465-478, 495-499, 499-501 (m), 501-510
KL7AJ	WD2XSH/27	465-478, 495-499, 499-501 (m), 501-505 (e)
KL7Q	WD2XSH/28	465-478, 495-499, 499-501 (m), 501-508 (e)

KN8AZN	WD2XSH/29	465-478, 495-499, 499-501 (m), 501-510
WOAD	WD2XSH/30	465-478, 495-499, 499-501 (m), 501-508 (d) (k)
WA1ZMS	WD2XSH/31	465-478, 495-499, 499-501 (m), 501-503, 507-510 (f) (i)
K9WRU	WD2XSH/32	465-478, 495-499, 499-501 (m), 501-508 (d) (k)
W1FR/O	WD2XSH/33	465-478, 495-499, 499-501 (m), 501-508 (d) (l)
WORPK	WD2XSH/34	465-478, 495-499, 499-501 (m), 501-508 (d)
KOHW	WD2XSH/35	465-478, 495-499, 499-501 (m), 501-505 (d)
W5GHZ	WD2XSH/36	465-478, 495-499, 499-501 (m), 501-507 (g)
W1XP	WD2XSH/37	465-478, 495-499, 499-501 (m), 501-510
KN1H	WD2XSH/38	465-478, 495-499, 499-501 (m), 501-510
KM1H	WD2XSH/39	465-478, 495-499, 499-501 (m), 501-510
WA1OMI	WD2XSH/40	465-478, 495-499, 499-501 (m), 501-510
W1HK	WD2XSH/41	465-478, 495-499, 499-501 (m), 501-510
K2LRE	WD2XSH/42	465-478, 495-499, 499-501 (m), 501-510
KH6B	WD2XSH/43	465-478, 495-499, 499-501 (m), 501-510
AC6QV	WD2XSH/44	465-478, 495-499, 499-501 (m), 501-510
KL7UW	WD2XSH/45	465-478, 495-499, 499-501 (m), 501-508 (e)

### Footnotes Applicable to All Stations

(a) All emissions must be within this band.

(b) 499 - 501 is reserved for the "Museum" (maritime coastal) stations, who are the primary users of this frequency. Operation in this band may be authorized by the experiment coordinator for special events.

(h) Please observe DX window from 505.0 to 505.2 kHz.

(m) WD2XSH stations may use the heritage band for simulated historical operations. Only CW shall be used. Stations may call CQ or other stations or answer a call or CQ. The stations shall then QSY out of the heritage band to complete the QSO. Stations may also broadcast brief announcements. In using this band, please observe the traditional silent periods from hh:15 to hh:18 and hh:45 to hh:48. Do not use this band if heritage stations are operating.

### Footnotes Applicable to Specific Stations

(c) Do not use 503-507 kHz when NEED is on the air.

(d) Frequencies restricted to avoid interference to 510-kHz NDB OF.

(e) Frequencies restricted to avoid interference to 510-kHz NDB FA.

(f) Frequencies restricted to avoid interference to 505-kHz NDB NEED.

- (g) Frequencies restricted to avoid interference to 512-kHz NDB HMY.
- (i) Mobile within 100 mi of Virginia Beach is restricted to 495 - 499 kHz to avoid interference to 505-kHz NDB NEED.
- (j) Inactive. WD2XSH stations may operate within 50 km of this QTH.
- (k) 508 - 510 kHz may be used during the daytime.
- (l) Vacant. WD2XSH stations may operate within 50 km of this QTH.

## 2. PERMITTED MODULATION MODES

WD2XSH stations are permitted to use **only** the following modulation types. WD2XSH stations can use the specified modulation modes at slower data rates than specified, but not at faster rates.

FCC Designation	WD2XSH Authorized Modulations
150HA1A	CW, QRSS
62HOJ2B	PSK-31
62HOF1B	FSK-31, WSPR
62HOG1D	MSK-31 (Minimum-shift keying).

## 3. COMMUNICATION

Per section 5.125 of the FCC rules, communication is permitted only with

- (a) Other WD2XSH stations, and
- (b) Other US experimental stations.

Nonetheless, there may be occasions where short "frequency-management" exchanges are necessary. Examples are sending a QRZ, acknowledging a QSY request from a primary user (e.g., heritage station), or advising a foreign amateur who calls you that QSOs are not permitted. Such exchanges must be kept short and you must avoid turning them into an amateur-style QSO. However, amateur-style QSOs may be made with other US experimental stations. You may also broadcast the callsigns of stations that you are receiving.

## 4. DOCUMENTS REQUIRED

All WD2XSH operators shall keep in their stations copies of the following documents:

- FCC rules, part 5 (experimental service),
- WD2XSH grant from the FCC,
- WD2XSH operating authorization M09-1, and

- WD2XSH band plan.

## 5. IDENTIFICATION

Per FCC 5.115, a full ID (WD2XSH/nn) in normal-speed CW is required at the start of transmission, end of transmission, and every 30 minutes during transmission for **all** modulation modes.

## 6. PORTABLE OPERATION

A WD2XSH station may operate within 50 km of its QTH designated on the license grant. Stations wishing to engage in "portable" operation must inform the experiment coordinator prior to beginning transmissions.