

## ANNUAL ARMED FORCES DAY CROSS-BAND TEST (11 May 2019)

The Army Military Auxiliary Radio System will host this year's Armed Forces Day (AFD) Crossband Test on Saturday May 11, 2019. This annual event is open to all licensed amateur radio operators, and will not impact any public or private communications. For more than 50 years, military and amateur stations have taken part in this event, which is only an exercise scenario, designed to include hobbyist and government radio operators alike.

The AFD Cross-band Test is a unique opportunity to test two-way communications between military communicators and radio stations in the Amateur Radio Service (ARS), as authorized in 47 CFR 97.111. These tests provide opportunities and challenges for radio operators to demonstrate individual technical skills in a tightly-controlled exercise scenario that does not impact any public or private communications.

Military stations will transmit on selected military frequencies and will announce the specific ARS frequencies monitored. All times are ZULU (Z), and all frequencies are Upper Side Band (USB) unless otherwise noted. The frequencies used for the test will not impact any public or private communications, and will not stray outside the confines of the exercise.

The following stations will be making two-way radiotelephone contacts with stations in the ARS between the time periods listed on the frequencies listed in kilohertz below.

AAZ / FT HUACHUCA, AZ				
1500Z - 2359Z	5,330.5	14,438.5	18,211.0	
ABH / SCHOFIELD BARRACKS, HI				
1600Z - 2300Z	5,357.0	14,438.5	18,272.0	20,997.0
ABM1 / CAMP ZAMA, JAPAN				
1500Z - 0100Z	14,487.0	20,994		
ADB / CAMP FOSTER, OKINAWA				
1500Z - 0100Z	14,487.0	20,994		
WAR / PENTAGON WASHINGTON, DC (USB + CW + RTTY)				
1200Z - 2400Z	5,357.0	13,963.5	18,211.0	24,760.0
WUG-2 / ARMY CORPS OF ENGINEERS, TN (USB + CW)				
1300Z - 0200Z	5,403.5	13,910.5	18,293.0	20,973.5
AIR / ANDREWS AFB				
1200Z - 2400Z	4,517.0	7,305.0	15,807.0	20,740.0
AGA2SY / HANCOCK FIELD, NY				
1200Z - 2400Z	4,575.0	7,540.0	13,993.0	
AGA5SC / SCOTT AFB, IL				
1600Z - 2300Z	3,308.0	4,872.0	7,545.0	
AGA9TR / TRAVIS AFB, CA				
1600Z - 0100Z	5,346.5	7,329.0	13,996.0	14,411.0
AFM4AF / NAVAL SUPPORT ACTIVITY MID-SOUTH MILLINTON, TN				
1200Z - 0300Z	7,375.5	13,498.0		

MARSRADIO / 1400Z – 0100Z	7,460.0	14,606.0	20,991.0		
MARSCOMM / 1400Z – 0100Z	4450.0	7473.5.0	14405.0		
NIIW / USS MIDWAY CV-41 SAN DIEGO, CA (USB + CW + RTTY) 1400Z - 0200Z	4,013.5	5371.5	7,493.5	14,383.5	18,293.0
NWKJ / USS YORKTOWN CV-10 CHARLESTON, SC 1200Z - 2200Z	4,000.0	7,360.0	14,663.5		
NEPM / USS IOWA BB 61 LOS ANGELES, CA 1500Z - 2359Z	4,043.5	6,903.5	14,463.5	18,293.0	
NWVC / LST-325 EVANSVILLE, IN (USB + CW) 1200Z - 0400Z	4,007.0	6,913.0	9988.5	13,974.0	
NSS / US NAVAL ACADEMY ANNAPOLIS, MD (USB + CW) 1300Z - 0200Z 17,545.0	4,038.5	5330.5	7,533.5	9,447.0	14,487.0
NAF / NEWPORT NAVAL RADIO STATION MUSEUM NEWPORT, RI (USB + CW) 1200Z - 2359Z	4,013.5	7,542.0	14,383.5		

An AFD message will be transmitted utilizing the Military Standard (MIL-STD) Serial PSK waveform (M110) followed by MIL-STD Wide Shift FSK (850 Hz RTTY) as described in MIL-STD 188-110A/B. Technical information regarding these waveforms is provided at:

[http://www.n2ckh.com/MARS\\_ALE\\_FORUM/MSDMT.html](http://www.n2ckh.com/MARS_ALE_FORUM/MSDMT.html).

The AFD message will also be sent in Continuous Wave (CW) and Radio Teletype (RTTY) as indicated beside the station names.

The message will be transmitted on the following frequencies in kilohertz and at the listed times:

Frequency (kHz)	1400Z	1420Z	1440 Z	1500 Z	1900Z CW RTTY	1920Z CW RTTY	1940Z	2000Z CW	2200Z	2220Z CW RTTY	2240Z CW RTTY	2330Z CW
5,346.50												NWVC
7,540.00												NWVC
13,506.50	AGA2SY	WAR		AAZ	WAR			NWVC	ADB	WAR		
17,443.00		AGA2SY	WAR	AAZ		WAR			AGA2SY		WAR	

For those who wish to document their contacts with a QSL card, go to <http://www.usarmymars.org/events> and complete the request form.