

ANNUAL ARMED FORCES DAY CROSSBAND TEST (07-08 May 2021)

The Department of Defense will host this year's Armed Forces Day (AFD) Cross-Band Test, scheduled for May 7-8, 2021. 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

081500Z - 082359Z 5,330.5 14,438.5 18,211.0

AAC / BARROW ARMY RESERVE CENTER, KY (USB + RTTY)

081300Z - 082300Z 5,346.5 6,968.5 13,963.5

AAN / U.S. NORTHERN COMMAND, CO

081300Z - 082300Z 6,970.5 14,550.5

AAU / HQ US ARMY GARRISON FORT KNOX, KY (USB + RTTY)

081400Z - 081900Z 5,371.5 7,645.0 14,512.5 18,293.0 20,920.0

ABH / SCHOFIELD BARRACKS, HI

081500Z - 082359Z 5,357.0 14,438.5 18,272.0 20,997.0

ADB / CAMP FOSTER, OKINAWA

081500Z - 082359Z 14,487.0 20,994

AAM3D / DISA CYBERSPACE OPERATIONS DIRECTORATE, FT MEADE, MD

071300z - 082100z 5,403.5 7,421.5 13,993.5 18,254.0

ABM4B / HSC, HHBN, 82ND ABN DIV, FORT BRAGG, NC

081100Z - 082300Z 5,371.5 7,431.5 13,910.5 18,281.5

WAR / PENTAGON WASHINGTON, DC (USB + CW + RTTY)

081200Z - 082359Z 4,018 5,357.0 13,963.5 18,211.0 24,760.0

AIR / ANDREWS AFB

081200Z - 082359Z 4,517.0 7,305.0 15,807.0 20,740.0

AFM4NPD / NAVAL SUPPORT ACTIVITY MID-SOUTH MILLINTON, TN

081200Z - 080300Z 4,802.0 7,375.5 15,712.0

AGA2SY / HANCOCK FIELD, NY

081200Z - 082359Z 4,575.0 7,540.0 13,993.0

AGA5SC / SCOTT AFB, IL
081400Z - 082100Z 4,017.0 5,186.0 7,305.0

AGA5TR / TRAVIS AFB, CA
081600Z - 080100Z 4,017.0 7,329.0 13,996.0 14,411.0

MARSRADIO /
081400Z - 090100Z 4,557.0 7,460.0 (LSB) 14,606.0

MARSCOMM /
081400Z - 090100Z 4,448.5 6,994.0 (LSB) 14,877.0

NEPM / USS IOWA BB 61 LOS ANGELES, CA (USB + CW)
081450Z - 082359Z 6,903.5 14,463.5 18,293.0

NIIW / USS MIDWAY CV-41 SAN DIEGO, CA (USB)
071800Z - 082359Z 4,013.5 5,371.5 7,493.5 14,383.5 18,293.0

NWVC / LST-325 EVANSVILLE, IN (USB + CW)
081200Z - 090400Z 4,007.0 6,913.0 9988.5 13,974.0

NSS / US NAVAL ACADEMY ANNAPOLIS, MD (USB + CW)
081200Z - 090400Z 4,038.5 5,330.5 7,533.5 9,447.0 14,487.0 17,545.0

NAF/ NEWPORT NAVAL RADIO STATION MUSEUM NEWPORT, RI (USB + CW)
081200Z - 090200Z 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:

<https://drive.google.com/drive/folders/1pYDj7kQbm-QAyY4RPtx0dOXKohjaEjq9?usp=sharing>

The AFD message will also be sent in Continuous Wave (CW) mode and Radio Teletype (RRTY) as indicated under the transmission times.

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

Frequency (kHz)	1400Z	1420Z	1440Z	1500Z	1900Z CW RTTY	1920Z CW RTTY	1940Z RTTY	2000Z RTTY	2200Z	2220Z CW RTTY	2240Z CW RTTY	2330Z CW
5,346.50									AAC			NEPM
7,540.00	AAU	ABM4B	AAMED	AAC			AAC	ABM4B	AAN			NEPM
13,506.50	AAMED	WAR	AAN	AAZ	WAR		AAU	NIIW	AAZ	WAR		
17,443.00	AAMED	AAC	WAR	AAZ		WAR	ABM4B	NIIW	ABM4B		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.