

# April 2022 Frequency Measuring Test

There will be two transmitting stations for the April Frequency Measuring Test (FMT) — an early run from W8RKO in Ohio, and a late run from K5CM in Oklahoma. Transmissions will be made on three bands: 30, 40, and 80 meters (in that order).

The FMT will start with a “call up” by W8RKO at 0100 UTC on April 8 (Thursday evening in North America). Note that the late run has a 1-hour gap between the transmissions at 0200 UTC and 0300 UTC.

Measure the transmitted frequency and report your results at <http://fmt.arrl.org>. Results must be submitted by 0200 UTC on April 11, at which time they’ll be published on the website. Stations submitting measurements within  $\pm 1$  Hz for all three transmissions from K5CM or W8RKO will be listed in the “Green Box” of the results.

The call-up frequency may not be the same exact frequency as during the key-down period (it may shift as much as  $\pm 10$  Hz). Although the call up is scheduled to start at a specific time, both stations will try to start earlier. Every effort will be made to start key down at the published time. The key-down period will be 1 minute.

Because both FMT runs begin on 30 meters, you can check that your method of measurement is correct by measuring WWV’s 10 MHz frequency and observing the Doppler shift variation due to changing

propagation. The HamSCI ([www.hamsci.org](http://www.hamsci.org)) community sponsors events involving measurement of WWV signals in support of geophysical research. Volunteers are welcome.

## Early Run

**W8RKO** 30-meter schedule near 10103 kHz

01:00 Call up  
01:03 Key down  
01:04 End 30-meter run

**W8RKO** 40-meter schedule near 7064 kHz

01:15 Call up  
01:18 Key down  
01:19 End 40-meter run

**W8RKO** 80-meter schedule near 3598 kHz

01:30 Call up  
01:33 Key down  
01:34 End 80-meter run

## Late Run

**K5CM** 30-meter schedule near 10102 kHz

02:00 Call up  
02:03 Key down  
02:04 End 30-meter run

**K5CM** 40-meter schedule near 7065 kHz

03:00 Call up  
03:03 Key down  
03:04 End 40-meter run

**K5CM** 80-meter schedule near 3599 kHz

03:15 Call up  
03:18 Key down  
03:19 End 80-meter run

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