

April 2026 Frequency Measuring Test

Bart Jahnke, W9JJ
Radiosport & Regulatory Information Manager

The April Frequency Measuring Test (FMT) will have two transmitting stations: Connie Marshall, K5CM, in Oklahoma, and Michael Suhar, W8RKO, in Ohio. Transmissions will be made on 40 and 80 meters, in that order. This should give stations throughout North America an opportunity to receive and measure a strong signal.

If you've never entered an FMT before, information on how to measure the frequency of a carrier is available at www.k5cm.com.

Measurement Software

The free software tools are quite advanced. If you're already using the *WSJT-X* suite of FT8 or WSPR, you can use its frequency calibration mode as a sophisticated frequency measurement tool. Joe Taylor, K1JT, explains how to use *WSJT-X* for frequency measurement in "Accurate Frequency Measurements with your WSPR Setup" at https://wsjt.sourceforge.io/FMT_User.pdf.

FMT Schedule and Format

The FMT "runs" will start with a call up by K5CM at 0230 UTC on April 17 (Thursday evening in North America). The call-up frequency may not be the same exact frequency as during the key-down period (it may shift as much as 10 Hz). Although the call up is scheduled to start at a specific time, both stations will try to

start earlier to establish a clear frequency. Every effort will be made to start key down at the published time in Table 1. The key-down period will be 1 minute.

Measure the transmitted frequency, and report your results at <https://fmt.arri.org>. Please include your notes and observations, including equipment and any special techniques used. Results must be submitted by 0200 UTC on April 20, at which time they'll be published on the website. Stations submitting measurements within 1 Hz for all transmissions from W8RKO and K5CM will be listed in the "Green Box" of the results, as shown in Figure 1.

Table 1 — Frequency Measuring Test Schedule

Start: April 17 at 02:29 UTC (Thursday evening in North America)	
Results: Submit measurements online until April 20 at 02:00 UTC (Sunday evening in North America)	
40 Meters: K5CM near 7064 kHz	80 Meters: K5CM near 3598 kHz
02:30 Call up	03:00 Call up
02:34 Key down	03:04 Key down
02:35 End 40-meter run	03:05 End 80-meter run
40 Meters: W8RKO near 7065 kHz	80 Meters: W8RKO near 3599 kHz
02:45 Call up	03:15 Call up
02:49 Key down	03:19 Key down
02:50 End 40-meter run	03:20 End 80-meter run

If there's interference on the published frequency, tune around to find the FMT transmissions.



Figure 1 — Stations submitting measurements within 1 Hz for all transmissions from W8RKO and K5CM will be listed in the "Green Box" of the results.