

TVWS 45-Day Test - Test Requirements and Plan (Initial Phase not including field test)  
8/23/11

I. Test System Elements

- a. Must use the same calculation method that has been tested by the staff
- b. Must update its database using the FCC extraction logic (but not necessarily the FCC code)
- c. Must take appropriate measures to avoid hacking of the test system
- d. Must protect all incumbent entities as specified in the rules

II. Public Interface

- a. Public access through database administrator web facilities (not through FCC website or other web facilities)
- b. Public interface must be easy to understand and use
  1. User friendly access and session management, including (including user registration and log-in process)
  2. Must provide contact information for users to obtain assistance if they encounter problems accessing or using the test system; must respond to access/use inquiries in a timely manner during normal business hours
- c. Processing and response time must be reasonably quick
- d. May require the tester to provide e-mail address for follow-up responses
- e. Not necessary to have a tester "membership" facility; may provide for identification of repeat testers to speed the access process for testers.

IV. Test Process

- a. Location input to be geographic coordinates only (degrees, minutes and seconds; may also optionally provide for input of degrees with decimal minutes)
- b. Response to be list of the channels available at the specified location for each type of TVWS device operation (fixed, personal/portable 100 mW, personal/portable 40 mW)
- c. May provide capability for input of multiple location coordinates in a test entry, but only one at a time is required
- d. Test system must provide for feedback from testers; feedback to be provided to database administrator and FCC in parallel

V. Database Administrator Response to Feedback

- a. Initial acknowledgement to reporting party with indication of investigation and responsive action to be taken as appropriate during testing or soon after testing is complete
- b. Subsequent explanations and corrective actions as appropriate to testing party with copy to FCC
- c. Not necessary to inform public at large of problems/corrections
- d. Fixes may be applied during testing period

VI. System Elements Not Yet in Operation

(registration of licensed and unlicensed wireless mikes, BAS receive sites, transfer of data with other administrators' TVWS databases)

- a. Subject specific public test period to be provided (15 days?) if after or near the end of the regular test period
- b. Same operational plan during any supplemental period(s)

#### VII. Completion of Public Tests

- a. Database Administrator to provide a summary report with
  - 1. Identification of problems reported and their dispositions
  - 2. Descriptions of changes made to the system's channel availability calculation function (and also any other changes that were made relating to that function)