

## § 15.714

site is located within the protected contour of that channel's transmitting station is not eligible for registration in the database.

(iv) Call sign of the retransmitted television station.

(v) Location (latitude and longitude) of the transmitter of the retransmitted television station.

(8) Low power auxiliary stations, including wireless microphones and wireless assist video devices. Sites with significant wireless microphone use at well defined times and locations may be registered in the database. Multiple registrations that specify more than one point in the facility may be entered for very large sites. Registrations will be valid for no more than one year, after which they may be renewed.

(i) Name of the individual or business that owns the low power auxiliary device(s).

(ii) An address for the contact person.

(iii) An e-mail address for the contact person (optional).

(iv) A phone number for the contact person.

(v) Coordinates where the device(s) are used (latitude and longitude in NAD 83, accurate to  $\pm 50$  m).

(vi) Channels used by the low power auxiliary devices operated at the site.

(vii) Specific months, days and times when the device(s) are used.

(1) Commission requests for data. (1) A TV bands database administrator must provide to the Commission, upon request, any information contained in the database.

(2) A TV bands database administrator must remove information from the database, upon direction, in writing, by the Commission.

EFFECTIVE DATE NOTE: At 74 FR 7326, Feb. 17, 2009, §15.713 was added. This section contains information collection and record-keeping requirements and will not become effective until approval has been given by the Office of Management and Budget.

## § 15.714 TV bands database administration fees.

(a) A TV bands database administrator may charge a fee for provision of lists of available channels to fixed and personal/portable TVBDs and for reg-

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istering fixed TVBDs and temporary BAS links.

(b) The Commission, upon request, will review the fees and can require changes in those fees if they are found to be excessive.

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## § 15.715 TV bands database administrator.

The Commission will designate one or more entities to administer a TV bands database. Each database administrator shall:

(a) Maintain a database that contains the information described in §15.713.

(b) Establish a process for acquiring and storing in the database necessary and appropriate information from the Commission's databases and synchronizing the database with the current Commission databases at least once a week to include newly licensed facilities or any changes to licensed facilities.

(c) Establish a process for registering fixed TVBDs and registering and including in the database facilities entitled to protection but not contained in a Commission database, including cable headends and TV translator receiver sites.

(d) Establish a process for registering facilities where part 74 low power auxiliary devices are used on a regular basis.

(e) Provide lists of available channels to fixed and personal/portable TVBDs that submit to it the information required under §15.713(f) based on their geographic location.

(f) Make its services available to all unlicensed TV band device users on a non-discriminatory basis.

(g) Provide service for a five-year term. This term can be renewed at the Commission's discretion.

(h) Respond in a timely manner to verify, correct and/or remove, as appropriate, data in the event that the Commission or a party brings claim of inaccuracies in the database to its attention.

(i) Transfer its database along with the IP addresses and URLs used to access the database and list of registered Fixed TVBDs, to another designated entity in the event it does not continue as the database administrator at the end of its term. It may charge a reasonable price for such conveyance.

(j) The database must have functionality such that upon request from the Commission it can indicate that no channels are available when queried by a specific TVBD or model of TVBDs.

(k) If more than one database is developed, the database administrators shall cooperate to develop a standardized process for providing on a daily basis or more often, as appropriate, the data collected for the facilities listed in §15.713(b)(2) to all other TV bands databases to ensure consistency in the records of protected facilities.

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#### **§15.717 TVBDs that rely on spectrum sensing.**

(a) Parties may submit applications for certification of TVBDs that rely solely on spectrum sensing to identify available channels. Devices authorized under this section must demonstrate with an extremely high degree of confidence that they will not cause harmful interference to incumbent radio services.

(1) In addition to the procedures in subpart J of part 2 of this chapter, applicants shall comply with the following.

(i) The application must include a full explanation of how the device will protect incumbent authorized services against interference.

(ii) Applicants must submit a pre-production device, identical to the device expected to be marketed.

(2) The Commission will follow the procedures below for processing applications pursuant to this section.

(i) Applications will be placed on public notice for a minimum of 30 days for comments and 15 days for reply comments. Applicants may request

that portions of their application remain confidential in accordance with §0.459 of this chapter. This public notice will include proposed test procedures and methodologies.

(ii) The Commission will conduct laboratory and field tests of the pre-production device. This testing will be conducted to evaluate proof of performance of the device, including characterization of its sensing capability and its interference potential. The testing will be open to the public.

(iii) Subsequent to the completion of testing, the Commission will issue by public notice, a test report including recommendations. The public notice will specify a minimum of 30 days for comments and, if any objections are received, an additional 15 days for reply comments.

(b) The device shall meet the requirements for personal/portable devices in this subpart except that it will be limited to a maximum EIRP of 50 mw and it does not have to comply with the requirements for geo-location and database access in §15.711(b). Compliance with the detection threshold for spectrum sensing in §15.711(c), although required, is not necessarily sufficient for demonstrating reliable interference avoidance. Once a device is certified, additional devices that are identical in electrical characteristics and antenna systems may be certified under the procedures of part 2, subpart J of this chapter.

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## **PART 17—CONSTRUCTION, MARKING, AND LIGHTING OF ANTENNA STRUCTURES**

### **Subpart A—General Information**

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