

(k) *Operating channel*. An available channel used by a TVBD for transmission and/or reception.

(l) *Personal/portable device*. A TVBD that transmits and/or receives radiocommunication signals while in motion or at unspecified locations that may change.

(m) *Receive site*. The location where the signal of a full service station is received for rebroadcast by a television translator or low power TV, including Class A TV, station.

(n) *Spectrum sensing*. A process whereby a TVBD monitors a television channel to detect whether the channel is occupied by a radio signal.

(o) *Television band device (TVBD)*. Intentional radiators operating on available channels in the broadcast television frequency bands at 54–60 MHz, 76–88 MHz, 174–216 MHz, 470–608 MHz and 614–698 MHz.

(p) *TV bands database*. A database of authorized services in the TV frequency bands that is used to determine the available channels at a given location for use by TVBDs.

**§ 15.705 Cross reference.**

(a) The provisions of subparts A, B, and C of this part apply to TVBDs, except where specific provisions are contained in subpart H.

(b) The requirements of subpart H apply only to the radio transmitter contained in the TVBD. Other aspects of the operation of a TVBD may be subject to requirements contained elsewhere in this chapter. In particular, a TVBD that includes a receiver that tunes within the frequency range specified in §15.101(b) contains digital circuitry not directly associated with the radio transmitter is also subject to the requirements for unintentional radiators in subpart B.

**§ 15.706 Information to the user.**

(a) For TV band device, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

This equipment has been tested and found to comply with the rules for TV band devices, pursuant to part 15 of the FCC rules. These rules are designed to provide reasonable protection against harmful interference.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the manufacturer, dealer or an experienced radio/TV technician for help.

(b) In cases where the manual is provided only in a form other than paper, such as on a computer disk or over the Internet, the information required by this section may be included in the manual in that alternative form, provided the user can reasonably be expected to have the capability to access information in that form.

**§ 15.707 Permissible channels of operation.**

(a) All TVBDs are permitted to operate in the frequency bands 512–608 MHz and 614–698 MHz, except that in the 13 metropolitan areas listed §90.303(a) of this chapter and nearby areas where private land mobile services and commercial land mobile services are authorized by waiver, operation of TVBDs is prohibited on the first channel on each side of TV channel 37 (608–614 MHz) that is available at all locations within the protection range of the coordinates of each such area as set forth in §15.712(d). These channels will be listed in the TV bands database.

(b) Operation in the bands 54–60 MHz, 76–88 MHz, 174–216 MHz, and 470–512 MHz is permitted only for fixed TVBDs that communicate only with other fixed TVBDs.

(c) Fixed and Mode II TVBDs shall only operate on available channels as determined by the TV bands database and in accordance with the interference avoidance mechanisms of §15.711.