§ 15.613

comply with the radiated emission limits provided in §15.109(b).

- (2) Low voltage power lines. Access BPL systems that operate over low-voltage power lines, including those that operate over low-voltage lines that are connected to the in-building wiring, shall comply with the radiated emission limits provided in §15.109(a) and (e).
- (c) Interference Mitigation and Avoidance. (1) Access BPL systems shall incorporate adaptive interference mitigation techniques to remotely reduce power and adjust operating frequencies, in order to avoid site-specific, local use of the same spectrum by licensed services. These techniques may include adaptive or "notch" filtering, or complete avoidance of frequencies, or bands of frequencies, locally used by licensed radio operations.
- (i) For frequencies below 30 MHz, when a notch filter is used to avoid interference to a specific frequency band, the Access BPL system shall be capable of attenuating emissions within that band to a level at least 20 dB below the applicable part 15 limits.
- (ii) For frequencies above 30 MHz, when a notch filter is used to avoid interference to a specific frequency band, the Access BPL system shall be capable of attenuating emissions within that band to a level at least 10 dB below the applicable part 15 limits.
- (iii) At locations where an Access BPL operator attenuates radiated emissions from its operations in accordance with the above required capabilities, we will not require that operator to take further actions to resolve complaints of harmful interference to mobile operations.
- (2) Access BPL systems shall comply with applicable radiated emission limits upon power-up following a fault condition, or during a start-up operation after a shut-off procedure, by the use of a non-volatile memory, or some other method, to immediately restore previous settings with programmed notches and excluded bands, to avoid time delay caused by the need for manual re-programming during which protected services may be vulnerable.
- (3) Access BPL systems shall incorporate a remote-controllable shutdown feature to deactivate, from a cen-

tral location, any unit found to cause harmful interference, if other interference mitigation techniques do not resolve the interference problem.

[70 FR 1374, Jan. 7, 2005, as amended at 71 FR 49379, Aug. 23, 2006]

§15.613 Measurement procedures.

Compliance measurements for Access BPL shall be made in accordance with the Guidelines for Access BPL systems specified by the Commission.

§15.615 General administrative requirements.

- (a) Access BPL Database. Entities operating Access BPL systems shall supply to an industry-recognized entity, information on all existing Access BPL systems and all proposed Access BPL systems for inclusion into a publicly available data base, within 30 days prior to initiation of service. Such information shall include the following:
- (1) The name of the Access BPL provider.
- (2) The frequencies of the Access BPL operation.
- (3) The postal zip codes served by the specific Access BPL operation.
- (4) The manufacturer and type of Access BPL equipment and its associated FCC ID number, or, in the case of Access BPL equipment that has been subject to verification, the Trade Name and Model Number, as specified on the equipment label.
- (5) The contact information, including both phone number and e-mail address of a person at, or associated with, the BPL operator's company, to facilitate the resolution of any interference complaint.
- (6) The proposed/or actual date of Access BPL operation.
- (b) The Access BPL database manager shall enter this information into the publicly accessible database within three (3) business days of receipt.
- $\left(c\right)$ No notification to the Commission is required.
- (d) A licensed spectrum user experiencing harmful interference that is suspected to be caused by an Access BPL system shall inform the local BPL operator's contact person designated in the Access BPL database. The investigation of the reported interference

Federal Communications Commission

and the resolution of confirmed harmful interference from the Access BPL system shall be successfully completed by the BPL operator within a reasonable time period according to a mutually acceptable schedule, after the receipt of an interference complaint, in order to avoid protracted disruptions to licensed services. The Access BPL operator shall respond to complaints of harmful interference from public safety users within 24 hours. With regard to public safety complaints, the BPL provider shall be required to immediately cease the operations causing such complaint if it fails to respond within 24 hours.

- (e) Consultation with public safety users. An entity operating an Access BPL system shall notify and consult with the public safety users in the area where it plans to deploy Access BPL, at least 30 days prior to initiation of any operation or service. This entity shall design or implement the Access BPL system such that it does not cause harmful interference in those frequencies or bands used by the public safety agencies in the area served by the Access BPL system. The notification shall include, at a minimum, the information in paragraph (a) of this section.
- (f) Federal government spectrum users and other radio service users. An entity operating an Access BPL system shall ensure that, within its Access BPL deployment area, its system does not operate on any frequencies designated as excluded bands or on identified frequencies within any designated exclusion zones.
- (1) Excluded Bands. To protect Aeronautical (land) stations and aircraft receivers, Access BPL operations using overhead medium voltage power lines are prohibited in the frequency bands listed in Table 1. Specifically, such BPL systems shall not place carrier frequencies in these bands.

TABLE 1—EXCLUDED FREQUENCY BANDS

	Frequency band
2,850-3,025 kHz 3,400-3,500 kHz 4,650-4,700 kHz 5,450-5,680 kHz 6,525-6,685 kHz 8,815-8,965 kHz 10,005-10,100 kHz	

TABLE 1—EXCLUDED FREQUENCY BANDS—
Continued

	Frequency band	
11,275–11,400 kHz		
13,260-13,360 kHz		
17,900-17,970 kHz		
21,924-22,000 kHz		
74.8-75.2 MHz		

- (2) Exclusion zones. Exclusion zones encompass the operation of any Access BPL system within 1km of the boundary of coast station facilities at the coordinates listed in Tables 2 and 2.1. Exclusion zones also encompass the operation of Access BPL systems using overhead medium voltage power lines within 65 km of the Very Large Array observatory located at the coordinate 34°04′43.50″; N, 107°37′03.82″ W. Exclusion zones further encompass the operation of Access BPL systems using overhead low voltage power lines or underground power lines within 47 km of the Very Large Array observatory located at the coordinate 34°04′43.50″; N. 107°37′ 03.82″ W. Within the exclusion zones for coast stations, Access BPL systems shall not use carrier frequencies within the band of 2173.5-2190.5 kHz. Within the exclusion zone for the Very Large Array radio astronomy observatory, Access BPL systems shall not use carrier frequencies within the 73.0-74.6 MHz band.
- (i) Existing coast station facilities. Access BPL systems shall not operate in the frequency band 2,173.5–2,190.5 kHz, within 1 kilometer (km) of the boundary of coast station facilities at the coordinates listed in Tables 2 and 2.1. BPL operators planning to deploy Access BPL devices at these frequencies in areas within these exclusion zones as defined above shall consult with the appropriate point of contact for these coast stations to ensure harmful interference is prevented at these facilities.

Point of contact: Commandant (CG 622), U.S. Coast Guard, 2100 2nd Street, SW., Washington, DC 20593-0001, Telephone: (202) 267-2860, e-mail: cqcomms@comdt.uscq.mil.

TABLE 2—EXCLUSION ZONES FOR U.S. COAST GUARD COAST STATIONS

Locale	Latitude	Longitude
Group Guam	13°35′23″ N 18°18′00″ N 18°28′11″ N	144°50′24″ E 65°46′59″ W 66°07′47″ W

§ 15.615

TABLE 2—EXCLUSION ZONES FOR U.S. COAST GUARD COAST STATIONS—Continued

TABLE 2—EXCLUSION ZONES FOR U.S. COAST GUARD COAST STATIONS—Continued

Locale					1
Locale	Latitude	Longitude	Locale	Latitude	Longitude
Honolulu	21°18′21″ N	157°53′23″ W	Group Cape Hatteras	35°15′35″ N	75°31′48″ W
Group Key West	24°33′35″ N	81°47′59″ W	Morro Bay (Cambria)	35°31′21″ N	121°03′31″ W
Trumbo Point CG Base	24°33′58″ N	81°47′57″ W	San Clemente Island	32°50′24″ N	118°23′15″ W
Miami	25°37′28″ N	80°23'07" W	Point Pinos	36°38′12″ N	121°56′06″ W
Everglades Park	25°50′10″ N	81°23′13″ W	CAMSLANT	36°43′47″ N	76°01′11″ W
Group Saint Petersburg	25°51′00″ N	81°23′24″ W	Group Hampton Roads	36°53′01″ N	76°21′10″ W
(Everglades).			Point Montara	37°31′23″ N	122°30′47″ W
Station Ft. Lauderdale	26°05′21″ N	80°06′40″ W	Point Montara Lighthouse	37°32′09″ N	122°31′08" W
Station Ft. Myers Beach	26°27′34″ N	81°57′15″ W	Group San Francisco	37°32′23″ N	122°31′11″ W
Group Miami (Ft. Pierce)	27°27′36″ N	80°18′36″ W	Group San Francisco	37°48′34″ N	122°21′55" W
Station Ft. Pierce	27°27′50″ N 27°42′01″ N	80°18′27″ W	Point Bonita	37°49′00″ N	122°31′41″ W
Group Corpus Christi Group Corpus Christi	27°42'01' N 27°42'06" N	97°16′11″ W 97°16′45″ W	Group Eastern Shores	37°55′47″ N	75°22'47" W
ESD Saint Petersburg	27°45′21″ N	82°37′32″ W	Group Eastern Shore	37°55′50″ N	75°22′58" W
Group Saint Petersburg	27°46′11″ N	82°37′47″ W	CAMSPAC	38°06′00″ N	122°55′48″ W
Station Port O'Connor	28°26′03″ N	96°25′39″ W	Point Arena Lighthouse	38°57′18″ N	124°44′28″ W
S. Padre Island	28°26′22″ N	97°09′56″ W	Point Arena	38°57′36″ N	123°44'23" W
Freeport	28°55′59″ N	95°16′59″ W	Group Atlantic City	39°20′59″ N	74°27′42" W
Group Galveston (Free-	28°56′24″ N	95°17′59″ W	Activities New York	40°36′06″ N	74°03′36" W
port).	20 00 2 1 11	00 11 00 11	Activities New York	40°37′11″ N	74°04′11″ W
Station YANKEETOWN	29°01′51″ N	82°43′39″ W	ESD Moriches Hut	40°47′19″ N	72°44′53" W
Station Ponce De Leon	29°03′50″ N	81°55′01″ W	Group Moriches	40°47′23″ N	72°45′00" W
Inlet.			Group Humboldt Bay	40°58′41″ N	124°06′31″ W
Group New Orleans	29°15′53″ N	89°57′26″ W	Group Humboldt Bay	40°58′47″ N	124°06′35" W
(Grand Isle).			Trinidad Head	41°03′15″ N	124°09'02" W
Galveston	29°19′59″ N	94°46′18″ W	Group Long Island Sound	41°16′12″ N	72°54′00" W
Kapalan	29°20′04" N	94°47′17" W	Station New Haven	41°16′12″ N	72°54′06" W
Sabine	29°43′42″ N	93°52′14" W	Station Brant Point	41°17′21″ N	70°05′31″ W
New Orleans	30°01′17″ N	90°07′24" W	Group Woods Hole	41°17′23″ N	70°04′47" W
Panama City	30°10′01″ N	85°45'04" W	Station Castle Hill	41°27′46″ N	71°21′42″ W
Group Mobile (Panama	30°10′12″ N	85°45'36" W	Group Woods Hole	41°17′29″ N	70°401'07" W
City).			Boston Area	41°40′12″ N	70°31′48″ W
ANT Jacksonville Beach	30°17′16″ N	81°24′10″ W	Station Provincetown	42°01′48″ N	70°12′42" W
Pensacola	30°20′24″ N	87°18′17" W	Eastern Point	42°36′24″ N	70°39'26" W
Group Mayport	30°23′10″ N	81°26′01″ W	Cape Blanco	42°50′16″ N	124°33′52" W
Group Mayport	30°23′24″ N	81°25′48″ W	Group North Bend	43°24′16″ N	124°13′22" W
Ft. Morgan	30°39′07″ N	88°03′12″ W	Group North Bend	43°24′35″ N	124°14′23″ W
Tybee Lighthouse	32°01′15″ N	80°50′39″ W	Cape Elizabeth	43°33′28″ N	70°12′00″ W
Point Loma Lighthouse	32°39′56″ N	117°14′34″ W	Group South Portland	43°38′24″ N	70°15′00″ W
Point Loma	32°40′07″ N	117°14′14″ W	Group South Portland	43°38′45″ N	70°14′51″ W
Activities San Diego	32°43′59″ N	117°11′13″ W	Group SW Harbor	44°16′19″ N	68°18′27" W
Group Charleston (Sulli-	32°45′00″ N	79°49′47″ W	Group Southwest Harbor	44°16′48″ N	68°18′36" W
van's Island).	00045/00// 14	70050/00// 14/	Fort Stevens, Oregon	46°09′14″ N	123°53′07″ W
Sullivan's Island Lights	32°45′02″ N	79°50′03″ W	Group Astoria	46°09′29″ N	123°31′48″ W
Group Charleston	32°46′25″ N	79°56′37″ W	Group Astoria	46°09′35″ N	123°53′24″ W
Group San Diego	32°52′48″ N	118°26′23″ W	La Push	47°49′00″ N	124°37′59″ W
San Pedro	33°45′00″ N	118°15′58″ W	Station Quillayute River	47°54′49″ N	124°38′01″ W
Group Fort Macon	33°53′24″ N 33°59′32″ N	78°01′48″ W 119°07′18″ W	Port Angeles	48°07′59″ N	123°25′59″ W
Point Mugu Group LA/Long Beach	34°07′11″ N	119°06′35″ W	Group Port Angeles	48°08′24″ N	123°24′35″ W
Channel Island	34°09′17″ N	119°13′11″ W	Juneau (Sitka)	57°05′24″ N	135°15′35″ W
Station Oxnard Channel Is-	34°09′43″ N	119°13′19″ W	Kodiak	57°40′47″ N	152°28′47″ W
land.	07 08 40 IN	VV GLOLGIL	Valdez (Cape	60°26′23″ N	146°25′48″ W
iui iu.	1		Hinchinbrook).		
Group Ft. Macon	34°41′48″ N	76°40′59″ W			

TABLE 2.1—EXCLUSION ZONES FOR MARITIME PUBLIC COAST STATIONS [Points of Contact Are Identified in the Commission's License Database]

Licensee name	Location	Latitude	Longitude
Shipcom LLC	Marina Del Ray, CA	33°56′21″ N	118°27′14″ W
Globe Wireless	Rio Vista, CA	38°11′55″ N	121°48′34″ W
Avalon Communications Corp	St. Thomas, VI	18°21′19″ N	64°56′48″ W
Globe Wireless	Bishopville, MD	38°24′10″ N	75°12′59″ W
Shipcom LLC	Mobile, AL	30°40′07″ N	88°10'23" W
Shipcom LLC	Coden, AL	30°22′35″ N	88°12′20″ W
Globe Wireless	Pearl River, LA	30°22′13″ N	89°47′26″ W
Globe Wireless	Kahalelani, HI	21°10′33″ N	157°10′39″ W
Globe Wireless	Palo Alto, CA	37°26′44″ N	122°06′48″ W

TABLE 2.1—EXCLUSION ZONES FOR MARITIME PUBLIC COAST STATIONS—Continued
[Points of Contact Are Identified in the Commission's License Database]

Licensee name	Location	Latitude	Longitude
Globe Wireless	Agana, GU	13°29′22″ N	144°49′39″ E

NOTE: Systems of coordinates comply with NAD 83.

(ii) New or relocated Coast stations. In the unlikely event that a new or relocated coast station is established for the 2.173.5–2.190.5 kHz band at a coordinate not specified in Table 2 or 2.1, Access BPL operations in that frequency band shall also be excluded within 1 km of the new coast station facility:

(3) Consultation areas. Access BPL operators shall provide notification to the appropriate point of contact specified regarding Access BPL operations at any frequencies of potential concern in the following consultation areas, at least 30 days prior to initiation of any operation or service. The notification shall include, at a minimum, the information in paragraph (a) of this section. We expect parties to consult in good faith to ensure that no harmful interference is caused to licensed operations and that any constraints on BPL deployments are minimized to those necessary to avoid harmful interference. In the unlikely event that a new or relocated aeronautical receive station is established for the 1.7-30 MHz band at a coordinate not specified in Table 3b, Access BPL operators are also required to coordinate with the appropriate point of contact regarding Access BPL operations at any frequencies of potential concern in the new or relocated consultation areas, and to adjust their system operating parameters to protect the new or relocated aeronautical receive station.

(i) For frequencies in the 1.7-30 MHz frequency range, the areas within 4 km

of facilities located at the following coordinates:

- (A) The Commission's protected field offices listed in 47 CFR 0.121, the point-of-contact for which is specified in that section:
- (B) The aeronautical stations listed in Tables 3a and 3b;
- (C) The land stations listed in Tables 4 and 5;
- (ii) For frequencies in the 1.7–80.0 MHz frequency range, the areas within 4 km of facilities located at the coordinates specified for radio astronomy facilities in 47 CFR 2.106, Note U.S. 311.

Point of contact: Electromagnetic Spectrum Manager, National Science Foundation, Division of Astronomical Sciences, 4201 Wilson Blvd., Suite 1045, Arlington, VA 22230, (703) 292–4896, esm@nsf.gov.

(iii) For frequencies in the 1.7–80 MHz frequency range, the area within 1 km of the Table Mountain Radio Receiving Zone, the coordinates and point of contact for which are specified in 47 CFR 21.113(b).

(iv) For frequencies in the 1.7-30 MHz frequency range, the areas within 37 km of radar receiver facilities located at the coordinates specified in Table 6.

Point of contact: U.S. Coast Guard HQ, Division of Spectrum Management CG-622, 2100 Second St., SW., Rm. 6611, Washington, DC 20593, Tel: (202) 267-6036, Fax: (202) 267-4106, e-mail: jtaboada@comdt.uscg.mil.

TABLE 3a—CONSULTATION AREA COORDINATES FOR AERONAUTICAL (OR) STATIONS (1.7–30 MHz)

Command name	Location	Latitude	Longitude
Washington	Arlington, VA	38°51′07″ N	77°02′15″ W
Cape Cod	Cape Cod, MA	41°42′00″ N	70°30′00″ W
Atlantic City	Atlantic City, NJ	39°20′59″ N	74°27′42″ W
Elizabeth City	Elizabeth City, NC	36°15′53″ N	76°10′32″ W
Savannah	Savannah, GA	32°01′30″ N	81°08'30" W
Miami	Opa Locka, FL	25°54'22" N	80°16′01" W
Clearwater	Clearwater, FL	27°54′27″ N	82°41′ 29″ W
Boringuen	Aguadilla, PR	18°18′36″ N	67°04′ 48″ W
New Orleans	New Orleans, LA	29°49'31" N	90°02′ 06″ W
Traverse City	Traverse City, MI	44°44′24″ N	85°34'54" W
San Diego	San Diego, CA	32°43′33″ N	117°10′ 15″ W

§ 15.615

Table 3a—Consultation Area Coordinates for Aeronautical (OR) Stations (1.7–30 MHz)—Continued

Command name	Location	Latitude	Longitude
SacramentoAstoria	McCllelan AFB, CA	38°40′06″ N 46°25′18″ N	121°24′04″ W 123°47′ 46″ W
North Bend	North Bend, OR	43°24′39″ N	124°14′35″ W
Barbers Point	Kapolei, HI Kodiak, AK	21°18′01″ N 57°44′19″ N	158°04′15″ W 152°30′18″ W
Houston	Houston, TX	29°45′00″ N	95°22′00″ W
DetroitSan Francisco	Mt. Clemens, MISan Francisco, CA	42°36′05″ N 37°37′58″ N	82°50′12″ W 122°23′20″ W
Los Angeles	Los Angeles, CA	33°56′36″ N	118°23′48″ W
Humboldt Bay Port Angeles	McKinleyville, CA Port Angeles, WA	40°58′39″ N 48°08′25″ N	124°06′45″ W 123°24′48″ W
Sitka	Sitka, AK	57°05′50″ N	135°21′58″ W

NOTE: Systems of coordinates conform to NAD 83.

 $\begin{array}{cccc} Point & of & contact: & ARINC, & 2551 & Riva\\ Road, & Annapolis, & MD & 21401, & Tel: & 1-800-633-6882, & Fax: & (410) & 266-2329, & e-mail: \\ arincmkt@arinc.com, & & http://www.arinc.com. & \end{array}$

 $\begin{array}{cccc} Point & of & contact: & ARINC, & 2551 & Riva\\ Road, & Annapolis, & MD & 21401, & Tel: & 1-800-\\ 633-6882, & Fax: & 410-266-2329, & e-mail: \\ bplnotifications@arinc.com, & http://www.arinc.com. \end{array}$

Table 3b—Consultation Area Coordinates for Aeronautical Receive Stations (1.7–30 MHz)

Locale	Latitude	Longitude
Southampton, NY Molokai, HI Oahu, HI Half Moon Bay, CA Pt. Reyes, CA Barrow, AK Guam	37°39′64″ N 38°06′00″ N	72°23'41" W 157°12'30" W 158°05'56" W 122°24'44" W 122°56'00" W 156°40'12"; W 144°48'0.0" E (note: East-
NY Comm Center, NY Cedar Rapids, IA Beaumont, CA Fairfield, TX Houston, TX Miami, FL	33°54′27.1″ N 31°47′02.6″ N 29°36′35.8″ N	ern Hemisphere) 73°05'46" W 91°38'37.6" W 116°59'49.1" W 96°47'03.0" W 95°16'54.8" W 80°18'28" W

Note: Systems of coordinates conform to NAD 83.

Point of contact: U.S. Coast Guard HQ, Division of Spectrum Management CG-622, 2100 Second St., SW., Rm. 6611,

Washington, DC 20593, Tel: (202) 267–6036, Fax: (202) 267–4106, e-mail: jtaboada@comdt.uscg.mil.

TABLE 4—CONSULTATION AREA COORDINATES FOR LAND STATIONS, SET 1 (1.7–30 MHz)

Command name	Location	Latitude	Longitude
COMMSTA Boston	Maspee, MA	41°24′00″ N	70°18′57″ W
Camslant	Chesapeake, VA	36°33′59″ N	76°15′23″ W
COMMSTA Miami	Miami, FL	25°36′58″ N	80°23′04" W
COMMSTA New Orleans	Belle Chasse, IA	29°52′40″ N	89°54′46″ W
Camspac	Pt. Reyes Sta, CA	38°06′00″ N	122°55′48″ W
COMMSTA Honolulu	Wahiawa, HI	21°31′08″ N	157°59′28″ W
COMMSTA Kodiak	Kodiak, AK	57°04′26′ N	152°28′20″ W
Guam	Finegayan, GU	13°53′08″ N	144°50′20″ E

NOTE: Systems of coordinates conform to NAD 83.

Federal Communications Commission

Point of contact: COTHEN Technical Support Center, COTHEN Program Manager, Tel: (800) 829–6336.

TABLE 5—CONSULTATION AREA COORDINATES FOR LAND STATIONS, SET 2 (1.7–30 MHz)

Site name	Latitude	Longitude
Albuquerque, NM	35°05′02″ N	105°34′23″ W
Arecibo, PR	18°17′26″ N	66°22'33" W
Atlanta, GA	32°33″06 N	84°23'35" W
Beaufort, SC	34°34′22″ N	76°09'48" W
Cape Charles, VA	37°05′37″ N	75°58'06" W
Cedar Rapids, IA	42°00′09″ N	91°17′39″ W
Denver, CO	39°15′45″ N	103°34'23" W
Fort Myers, FL	81°31′20″ N	26°20'01" W
Kansas City, MO	38°22′10″ N	93°21′48" W
Las Vegas, NV	36°21′15″ N	114°17′33″ W
Lovelock, NV	40°03′07″ N	118°18′56" W
Memphis, TN	34°21′57″ N	90°02′43″ W
Miami, FL	25°46'20" N	80°28'48" W
Morehead City, NC	34°34′50″ N	78°13′59" W
Oklahoma City, OK	34°30′52″ N	97°30′52″ W
Orlando, FL	28°31′30″ N	80°48′58" W
Reno, NV	38°31′12″ N	119°14′37″ W
Sarasota, FL	27°12′41″ N	81°31′20″ W
Wilmington, NC	34°29′24″ N	78°04′31″ W

NOTE: Systems of coordinates conform to NAD 83.

Point Of Contact: ROTHR Deputy Program Manager, (540) 653-3624.

TABLE 6—CONSULTATION AREA COORDINATES FOR RADAR RECEIVER STATIONS (1.7–30 MHz)

TOTAL TRESERVENT OF TAMORIO (TIT OF TAME)
Latitude/Longitude
18°01′ N/66°30′ W
28°05′ N/98°43′ W
36°34′ N/76°18′ W

NOTE: Systems of coordinates conform to NAD 83.

[70 FR 1374, Jan. 7, 2005, as amended at 71 FR 49379, Aug. 23, 2006]

Subpart H—Television Band Devices

Source: 74 FR 7326, Feb. 17, 2009, unless otherwise noted.

§15.701 Scope.

This subpart sets forth the regulations for unlicensed Television Band Devices (TVBDs). These devices are unlicensed intentional radiators that operate on available TV channels in the broadcast television frequency bands at 54–60 MHz (TV channel 2), 76–88 MHz (TV channels 5 and 6), 174–216 MHz (TV channels 7–13), 470–608 MHz (TV channels 14–36) and 614–698 MHz (TV channels 38–51).

[75 FR 75835, Dec. 6, 2010]

§15.703 Definitions.

(a) Available channel. A six-megahertz television channel, as specified in §73.603 of this chapter, which is not being used by an authorized service at or near the same geographic location as the TVBD and is acceptable for use by an unlicensed device under the provisions of this subpart.

(b) Contact verification signal. An encoded signal broadcast by a fixed or Mode II device for reception by Mode I devices to which the fixed or Mode II device has provided a list of available channels for operation. Such signal is for the purpose of establishing that the Mode I device is still within the reception range of the fixed or Mode II device for purposes of validating the list of available channels used by the Mode I device and shall be encoded to ensure that the signal originates from the device that provided the list of available channels. A Mode I device may respond only to a contact verification signal from the fixed or Mode II device that provided the list of available channels on which it operates. A fixed or Mode II device shall provide the information needed by a Mode I device to decode the contact verification signal at the same time it provides the list of available channels.

(c) Fixed device. A TVBD that transmits and/or receives radiocommunication signals at a specified fixed location. A fixed TVBD may select channels for operation itself from a list of available channels provided by a TV bands database, initiate and operate a network by sending enabling signals to one or more fixed and/or personal/portable TVBDs TVBDs. Fixed devices may provide to a Mode I personal/portable device a list of available channels on which the Mode I device may operate under the rules, including available channels above 512 MHz (above TV channel 20) on which the fixed TVBD also may operate and a supplemental list of available channels above 512 MHz (above TV channel 20) that are adjacent to occupied TV channels on which the Mode I device, but not the fixed device, may operate.

(d) Geo-location capability. The capability of a TVBD to determine its geographic coordinates within the level of