

## § 27.5

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*Unattended operation.* Operation of a station by automatic means whereby the transmitter is turned on and off and performs its functions without attention by a designated person.

*Universal Licensing System.* The Universal Licensing System (ULS) is the consolidated database, application filing system, and processing system for all Wireless Radio Services. ULS supports electronic filing of all applications and related documents by applicants and licensees in the Wireless Radio Services, and provides public access to licensing information.

*Upper Band Segment (UBS).* Segment of the BRS/EBS band consisting of channels in the frequencies 2614–2690 MHz

*Wireless communications service.* A radiocommunication service licensed pursuant to this part for the frequency bands specified in § 27.5.

[62 FR 9658, Mar. 3, 1997, as amended at 62 FR 16497, Apr. 7, 1997; 63 FR 68954, Dec. 14, 1998; 65 FR 3145, Jan. 20, 2000; 65 FR 17602, Apr. 4, 2000; 67 FR 41854, June 20, 2002; 68 FR 66286, Nov. 25, 2003; 69 FR 5714, Feb. 6, 2004; 69 FR 72031, Dec. 10, 2004; 71 FR 35189, June 19, 2006]

### § 27.5 Frequencies.

(a) *2305–2320 MHz and 2345–2360 MHz bands.* The following frequencies are available for WCS in the 2305–2320 MHz and 2345–2360 MHz bands:

(1) Two paired channel blocks are available for assignment on a Major Economic Area basis as follows:

Block A: 2305–2310 and 2350–2355 MHz; and  
Block B: 2310–2315 and 2355–2360 MHz.

(2) Two unpaired channel blocks are available for assignment on a Regional Economic Area Grouping basis as follows:

Block C: 2315–2320 MHz; and  
Block D: 2345–2350 MHz.

(b) *746–764 MHz and 776–794 MHz bands.* The following frequencies are available for licensing pursuant to this part in the 746–764 MHz and 776–794 MHz bands:

(1) Two paired channels of 1 megahertz each are available for assignment solely to Guard band managers. Block A: 746–747 MHz and 776–777 MHz.

(2) Two paired channels of 2 megahertz each are available for assignment

solely to Guard band managers. Block B: 762–764 MHz and 792–794 MHz.

(3) Two paired channels of 5 megahertz each are available for assignment. Block C: 747–752 MHz and 777–782 MHz.

(4) Two paired channels of 10 megahertz each are available for assignment. Block D: 752–762 MHz and 782–792 MHz.

(c) *698–746 MHz band.* The following frequencies are available for licensing pursuant to this part in the 698–746 MHz band:

(1) Three paired channel blocks of 12 megahertz each are available for assignment as follows:

Block A: 698–704 MHz and 728–734 MHz;  
Block B: 704–710 MHz and 734–740 MHz; and  
Block C: 710–716 MHz and 740–746 MHz.

(2) Two unpaired channel blocks of 6 megahertz each are available for assignment as follows:

Block D: 716–722 MHz; and  
Block E: 722–728 MHz.

(d) *1390–1392 MHz band.* The 1390–1392 MHz band is available for assignment on a Major Economic Area basis.

(e) *The paired 1392–1395 and 1432–1435 MHz bands.* The paired 1392–1395 MHz and 1432–1435 MHz bands are available for assignment on an Economic Area Grouping basis as follows: Block A: 1392–1393.5 MHz and 1432–1433.5 MHz; and Block B: 1393.5–1395 MHz and 1433.5–1435 MHz.

(f) *1670–1675 MHz band.* The 1670–1675 MHz band is available for assignment on a nationwide basis.

(g) [Reserved]

(h) *1710–1755 MHz and 2110–2155 MHz bands.* The following frequencies are available for licensing pursuant to this part in the 1710–1755 MHz and 2110–2155 MHz bands:

(1) Three paired channel blocks of 10 megahertz each are available for assignment as follows:

Block A: 1710–1720 MHz and 2110–2120 MHz;  
Block B: 1720–1730 MHz and 2120–2130 MHz;  
and  
Block F: 1745–1755 MHz and 2145–2155 MHz.

(2) Three paired channel blocks of 5 megahertz each are available for assignment as follows:

Block C: 1730–1735 MHz and 2130–2135 MHz;

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Block D: 1735–1740 MHz and 2135–2140 MHz;  
and

Block E: 1740–1745 MHz and 2140–2145 MHz.

(i) *Frequency assignments for the BRS/  
EBS band.* (1) Pre-transition frequency  
assignments.

RS Channel 1: 2150–2156 MHz or 2496–2500 MHz  
BRS Channel 2: 2156–2162 MHz or 2686–2690  
MHz

- BRS Channel 2A: 2156–2160 MHz
- EBS Channel A1: 2500–2506 MHz
- EBS Channel B1: 2506–2512 MHz
- EBS Channel A2: 2512–2518 MHz
- EBS Channel B2: 2518–2524 MHz
- EBS Channel A3: 2524–2530 MHz
- EBS Channel B3: 2530–2536 MHz
- EBS Channel A4: 2536–2542 MHz
- EBS Channel B4: 2542–2548 MHz
- EBS Channel C1: 2548–2554 MHz
- EBS Channel D1: 2554–2560 MHz
- EBS Channel C2: 2560–2566 MHz
- EBS Channel D2: 2566–2572 MHz
- EBS Channel C3: 2572–2578 MHz
- EBS Channel D3: 2578–2584 MHz
- EBS Channel C4: 2584–2590 MHz
- EBS Channel D4: 2590–2596 MHz
- BRS Channel E1: 2596–2602 MHz
- BRS Channel F1: 2602–2608 MHz
- BRS Channel E2: 2608–2614 MHz
- BRS Channel F2: 2614–2620 MHz
- BRS Channel E3: 2620–2626 MHz
- BRS Channel F3: 2626–2632 MHz
- BRS Channel E4: 2632–2638 MHz
- BRS Channel F4: 2638–2644 MHz
- EBS Channel G1: 2644–2650 MHz
- BRS Channel H1: 2650–2656 MHz
- EBS Channel G2: 2656–2662 MHz
- BRS Channel H2: 2662–2668 MHz
- EBS Channel G3: 2668–2674 MHz
- BRS Channel H3: 2674–2680 MHz
- EBS Channel G4: 2680–2686 MHz
- I Channels: 2686–2690 MHz

(2) *Post transition frequency assign-  
ments.* The frequencies available in the  
Broadband Radio Service (BRS) and  
Educational Broadband Service (EBS)  
are listed in this section in accordance  
with the frequency allocations table of  
§ 2.106 of this chapter.

(i) Lower Band Segment (LBS): The  
following channels shall constitute the  
Lower Band Segment:

- BRS Channel 1: 2496–2502 MHz
- EBS Channel A1: 2502–2507.5 MHz
- EBS Channel A2: 2507.5–2513 MHz
- EBS Channel A3: 2513–2518.5 MHz
- EBS Channel B1: 2518.5–2524 MHz
- EBS Channel B2: 2524–2529.5 MHz
- EBS Channel B3: 2529.5–2535 MHz
- EBS Channel C1: 2535–2540.5 MHz
- EBS Channel C2: 2540.5–2546 MHz
- EBS Channel C3: 2546–2551.5 MHz
- EBS Channel D1: 2551.5–2557 MHz

- EBS Channel D2: 2557–2562.5 MHz
- EBS Channel D3: 2562.5–2568 MHz
- EBS Channel JA1: 2568.00000–2568.33333 MHz
- EBS Channel JA2: 2568.33333–2568.66666 MHz
- EBS Channel JA3: 2568.66666–2569.00000 MHz
- EBS Channel JB1: 2569.00000–2569.33333 MHz
- EBS Channel JB2: 2569.33333–2569.66666 MHz
- EBS Channel JB3: 2569.66666–2570.00000 MHz
- EBS Channel JC1: 2570.00000–2570.33333 MHz
- EBS Channel JC2: 2570.33333–2570.66666 MHz
- EBS Channel JC3: 2570.66666–2571.00000 MHz
- EBS Channel JD1: 2571.00000–2571.33333 MHz
- EBS Channel JD2: 2571.33333–2571.66666 MHz
- EBS Channel JD3: 2571.66666–2572.00000 MHz

(ii) Middle Band Segment (MBS): The  
following channels shall constitute the  
Middle Band Segment:

- EBS Channel A4: 2572–2578 MHz
- EBS Channel B4: 2578–2584 MHz
- EBS Channel C4: 2584–2590 MHz
- EBS Channel D4: 2590–2596 MHz
- EBS Channel G4: 2596–2602 MHz
- BRS/EBS Channel F4: 2602–2608 MHz
- BRS/EBS Channel E4: 2608–2614 MHz

(iii) Upper Band Segment (UBS): The  
following channels shall constitute the  
Upper Band Segment:

- BRS Channel KH1: 2614.00000–2614.33333 MHz
- BRS Channel KH2: 2614.33333–2614.66666 MHz
- BRS Channel KH3: 2614.66666–2615.00000 MHz
- EBS Channel KG1: 2615.00000–2615.33333 MHz
- EBS Channel KG2: 2615.33333–2616.66666 MHz
- EBS Channel KG3: 2616.66666–2617.00000 MHz
- BRS Channel KF1: 2616.00000–2616.33333 MHz
- BRS Channel KF2: 2616.33333–2616.66666 MHz
- BRS Channel KF3: 2616.66666–2617.00000 MHz
- BRS Channel KE1: 2617.00000–2617.33333 MHz
- BRS Channel KE2: 2617.33333–2617.66666 MHz
- BRS Channel KE3: 2617.66666–2618.00000 MHz
- BRS Channel 2: 2618–2624 MHz
- BRS/EBS Channel E1: 2624–2629.5 MHz
- BRS/EBS Channel E2: 2629.5–2635 MHz
- BRS/EBS Channel E3: 2635–2640.5 MHz
- BRS/EBS Channel F1: 2640.5–2646 MHz
- BRS/EBS Channel F2: 2646–2651.5 MHz
- BRS/EBS Channel F3: 2651.5–2657 MHz
- BRS Channel H1: 2657–2662.5 MHz
- BRS Channel H2: 2662.5–2668 MHz
- BRS Channel H3: 2668–2673.5 MHz
- BRS Channel G1: 2673.5–2679 MHz
- BRS Channel G2: 2679–2684.5 MHz
- BRS Channel G3: 2684.5–2690 MHz

NOTE TO PARAGRAPH (i)(2): No 125 kHz chan-  
nels are provided for channels in operation in  
this service. The 125 kHz channels previously  
associated with these channels have been re-  
allocated to Channel G3 in the upper band  
segment.

(3) During the transition (see  
§§ 27.1230–27.1239) EBS and BRS licens-  
ees may exchange channels to effec-  
tuate the transition of the 2.5 GHz band  
in a given BTA.

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(4) A temporary fixed broadband station may use any available broadband channel on a secondary basis, except that operation of temporary fixed broadband stations is not allowed within 56.3 km (35 miles) of Canada.

(5)(i) A point-to-point EBS station on the E and F-channel frequencies, may be involuntarily displaced by a BRS applicant or licensee, provided that suitable alternative spectrum is available and that the BRS entity bears the expenses of the migration. Suitability of spectrum will be determined on a case-by-base basis; at a minimum, the alternative spectrum must be licensable by broadband operators on a primary basis (although it need not be specifically allocated to the broadband service), and must provide a signal that is equivalent to the prior signal in picture quality and reliability, unless the broadband licensee will accept an inferior signal. Potential expansion of the BRS licensee may be considered in determining whether alternative available spectrum is suitable.

(ii) If suitable alternative spectrum is located pursuant to paragraph (h)(6)(i) of this section, the initiating party must prepare and file the appropriate application for the new spectrum, and must simultaneously serve a copy of the application on the EBS licensee to be moved. The initiating party will be responsible for all costs connected with the migration, including purchasing, testing and installing new equipment, labor costs, reconfiguration of existing equipment, administrative costs, legal and engineering expenses necessary to prepare and file the migration application, and other reasonable documented costs. The initiating party must secure a bond or establish an escrow account to cover reasonable incremental increase in ongoing expenses that may fall upon the migrated licensee. The bond or escrow account should also account for the possibility that the initiating party subsequently becomes bankrupt. If it becomes necessary for the Commission to assess the sufficiency of a bond or escrow amount, it will take into account such factors as projected incremental increase in electricity or maintenance expenses, or relocation expenses, as relevant in each case.

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(iii) The EBS licensee to be moved will have a 60-day period in which to oppose the involuntary migration. The broadband party should state its opposition to the migration with specificity, including engineering and other challenges, and a comparison of the present site and the proposed new site. If involuntary migration is granted, the new facilities must be operational before the initiating party will be permitted to begin its new or modified operations. The migration must not disrupt the broadband licensee's provision of service, and the broadband licensee has the right to inspect the construction or installation work.

[62 FR 9658, Mar. 3, 1997, as amended at 65 FR 3145, Jan. 20, 2000; 65 FR 17602, Apr. 4, 2000; 67 FR 5510, Feb. 6, 2002; 67 FR 41854, June 20, 2002; 69 FR 5714, Feb. 6, 2004; 69 FR 72032, Dec. 10, 2004; 69 FR 77950, Dec. 29, 2004; 70 FR 58064, Oct. 5, 2005; 71 FR 35189, June 19, 2006]

### § 27.6 Service areas.

(a) WCS service areas are Major Economic Areas (MEAs) and Regional Economic Area Groupings (REAGs) as defined in the Table immediately following paragraph (a)(1) of this section. Both MEAs and REAGs are based on the U.S. Department of Commerce's 172 Economic Areas (Eas). See 60 FR 13114 (March 10, 1995). In addition, the Commission shall separately license Guam and the Northern Mariana Islands, Puerto Rico and the United States Virgin Islands, American Samoa, and the Gulf of Mexico, which have been assigned Commission-created EA numbers 173–176, respectively. Maps of the EAs, MEAs, and REAGs and the FEDERAL REGISTER Notice that established the 172 EAs are available for public inspection and copying at the Reference Information Center, Consumer and Governmental Affairs Bureau, Federal Communications Commission, 445 12th Street, SW, Washington, DC 20554.

(1) The 52 MEAs are composed of one or more EAs and the 12 REAGs are composed of one or more MEAs, as defined in the table below: