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transmitter to be located in the same area as a ground station transmitter proposed in a pending application previously filed by the applicant, but on a different ground station communication channel, the subsequent application is treated as a major amendment to change the technical proposal of the prior application. The filing date of any application so amended is the date the FCC received the subsequent application.

(e) *Dismissal of premature applications for additional channel.* If the FCC receives an application requesting an additional ground station communication channel for an authorized ground station prior to receiving notification that the station is providing service to subscribers on the authorized channel(s), the FCC may dismiss that application without prejudice.

(f) *Dismissal of applications for seventh channel.* If the FCC receives an application requesting an additional ground station communication channel for an authorized ground station which would, if granted, result in that station being assigned more than six ground station communication channels in the same area, the FCC may dismiss that application without prejudice.

§ 22.819 AGRAS compatibility requirement.

Except as provided in paragraph (a) of this section, stations transmitting on the channels listed in § 22.805 must operate in compliance with the technical and operational requirements contained in the document, ''Technical Reference, Air-ground Radiotelephone Automated Service (AGRAS), System Operation and Equipment Characteristics'', dated April 12, 1985.

(a) Until January 1, 1996, stations may continue to operate in compliance with the previous standard adopted in Docket 16073.

(b) Copies of the document referenced in this section may be obtained from the FCC's copying contractor.

§ 22.821 Authorization for airborne mobile stations.

An authorization separate from any ground station authorization is required for each airborne mobile station that operates on the channels listed in § 22.805. The operator of the airborne mobile station must apply for the authorization (FCC Form 409). The application must contain an affirmative representation that the applicant has made definite arrangements with a wireline common carrier for service and billing.

COMMERCIAL AVIATION AIR-GROUND SYSTEMS

§ 22.857 Channel plan for commercial aviation air-ground systems.

The 849–851 and 894–896 MHz frequency ranges are allocated for block assignment to nationwide air-ground systems providing radiotelephone service to passengers aboard commercial aircraft. These frequency ranges may also be used to provide service to persons in general aviation or other aircraft. Ground stations transmit on channels in the 849–851 MHz range. Airborne mobile stations transmit on channels in the 894–896 MHz range. Systems using these channels must conform to the channel plan described in this section.

(a) *Channel blocks.* The spectrum allocated for commercial aviation air-ground systems is divided into ten channel blocks, numbered 1 through 10. All ground stations in each geographical area must use the same channel block for communication with airborne mobile stations in flight, in accordance with § 22.859.

(1) Each channel block is subdivided into 6 control channels labeled P–1 through P–6, and 29 communications channels labeled C–1 through C–29.

(2) The authorized channel bandwidths are as follows:

(i) Each control channel has a bandwidth of 3.2 kHz.

(ii) Each communications channel has a bandwidth of 6 kHz.

(b) The center frequencies (in MegaHertz) of the communications and control channels are listed in Tables G–1 and G–2 of this section.

TABLE G–1.—GROUND STATION CHANNELS

	Channel block									
	10	9	8	7	6	5	4	3	2	1
C–1 ..	849.0055	849.2055	849.4055	849.6055	849.8055	850.0055	850.2055	850.4055	850.6055	850.8055
C–2 ..	849.0115	849.2115	849.4115	849.6115	849.8115	850.0115	850.2115	850.4115	850.6115	850.8115
C–3 ..	849.0175	849.2175	849.4175	849.6175	849.8175	850.0175	850.2175	850.4175	850.6175	850.8175
C–4 ..	849.0235	849.2235	849.4235	849.6235	849.8235	850.0235	850.2235	850.4235	850.6235	850.8235
C–5 ..	849.0295	849.2295	849.4295	849.6295	849.8295	850.0295	850.2295	850.4295	850.6295	850.8295
C–6 ..	849.0355	849.2355	849.4355	849.6355	849.8355	850.0355	850.2355	850.4355	850.6355	850.8355
C–7 ..	849.0415	849.2415	849.4415	849.6415	849.8415	850.0415	850.2415	850.4415	850.6415	850.8415
C–8 ..	849.0475	849.2475	849.4475	849.6475	849.8475	850.0475	850.2475	850.4475	850.6475	850.8475
C–9 ..	849.0535	849.2535	849.4535	849.6535	849.8535	850.0535	850.2535	850.4535	850.6535	850.8535
C–10	849.0595	849.2595	849.4595	849.6595	849.8595	850.0595	850.2595	850.4595	850.6595	850.8595
C–11	849.0655	849.2655	849.4655	849.6655	849.8655	850.0655	850.2655	850.4655	850.6655	855.8655
C–12	849.0715	849.2715	849.4715	849.6715	849.8715	850.0715	850.2715	850.4715	850.6715	850.8715
C–13	849.0775	849.2775	849.4775	849.6775	849.8775	850.0775	850.2775	850.4775	850.6775	850.8775
C–14	849.0835	849.2835	849.4835	849.6835	849.8835	850.0835	850.2835	850.4835	850.6835	850.8835
C–15	849.0895	849.2895	849.4895	849.6895	849.8895	850.0895	850.2895	850.4895	850.6895	850.8895
C–16	849.0955	849.2955	849.4955	849.6955	849.8955	850.0955	850.2955	850.4955	850.6955	850.8955
C–17	849.1015	849.3015	849.5015	849.7015	849.9015	850.1015	850.3015	850.5015	850.7015	850.9015
C–18	849.1075	849.3075	849.5075	849.7075	849.9075	850.1075	850.3075	850.5075	850.7075	850.9075
C–19	849.1135	849.3135	849.5135	849.7135	849.9135	850.1135	850.3135	850.5135	850.7135	850.9135
C–20	849.1195	849.3195	849.5195	849.7195	849.9195	850.1195	850.3195	850.5195	850.7195	850.9195
C–21	849.1255	849.3255	849.5255	849.7255	849.9255	850.1255	850.3255	850.5255	850.7255	850.9255
C–22	849.1315	849.3315	849.5315	849.7315	849.9315	850.1315	850.3315	850.5315	850.7315	850.9315
C–23	849.1375	849.3375	849.5375	849.7375	849.9375	850.1375	850.3375	850.5375	850.7375	850.9375
C–24	849.1435	849.3435	849.5435	849.7435	849.9435	850.1435	850.3435	850.5435	850.7435	850.9435
C–25	849.1495	849.3495	849.5495	849.7495	849.9495	850.1495	850.3495	850.5495	850.7495	850.9495
C–26	849.1555	849.3555	849.5555	849.7555	849.9555	850.1555	850.3555	850.5555	850.7555	850.9555
C–27	849.1615	849.3615	849.5615	849.7615	849.9615	850.1615	850.3615	850.5615	850.7615	850.9615
C–28	849.1675	849.3675	849.5675	849.7675	849.9675	850.1675	850.3675	850.5675	850.7675	850.9675
C–29	849.1735	849.3735	849.5735	849.7735	849.9735	850.1735	850.3735	850.5735	850.7735	850.9735
P–6 ..	849.1813	849.3813	849.5813	849.7813	849.9813	850.1813	850.3813	850.5813	850.7813	850.9813
P–5 ..	849.1845	849.3845	849.5845	849.7845	849.9845	850.1845	850.3845	850.5845	850.7845	850.9845
P–4 ..	849.1877	849.3877	849.5877	849.7877	849.9877	850.1877	850.3877	850.5877	850.7877	850.9877
P–3 ..	849.1909	849.3909	849.5909	849.7909	849.9909	850.1909	850.3909	850.5909	850.7909	850.9909
P–2 ..	849.1941	849.3941	849.5941	849.7941	849.9941	850.1941	850.3941	850.5941	850.7941	850.9941
P–1 ..	849.1973	849.3973	849.5973	849.7973	849.9973	850.1973	850.3973	850.5973	850.7973	850.9973

TABLE G–2.—AIRBORNE MOBILE STATION CHANNELS

	Channel block									
	10	9	8	7	6	5	4	3	2	1
C–1 ..	894.0055	894.2055	894.4055	894.6055	894.8055	895.0055	895.2055	895.4055	895.6055	895.8055
C–2 ..	894.0115	894.2115	894.4115	894.6115	894.8115	895.0115	895.2115	895.4115	895.6115	895.8115
C–3 ..	894.0175	894.2175	894.4175	894.6175	894.8175	895.0175	895.2175	895.4175	895.6175	895.8175
C–4 ..	894.0235	894.2235	894.4235	894.6235	894.8235	895.0235	895.2235	895.4235	895.6235	895.8235
C–5 ..	894.0295	894.2295	894.4295	894.6295	894.8295	895.0295	895.2295	895.4295	895.6295	895.8295
C–6 ..	894.0355	894.2355	894.4355	894.6355	894.8355	895.0355	895.2355	895.4355	895.6355	895.8355
C–7 ..	894.0415	894.2415	894.4415	894.6415	894.8415	895.0415	895.2415	895.4415	895.6415	895.8415
C–8 ..	894.0475	894.2475	894.4475	894.6475	894.8475	895.0475	895.2475	895.4475	895.6475	895.8475
C–9 ..	894.0535	894.2535	894.4535	894.6535	894.8535	895.0535	895.2535	895.4535	895.6535	895.8535
C–10	894.0595	894.2595	894.4595	894.6595	894.8595	895.0595	895.2595	895.4595	895.6595	895.8595
C–11	894.0655	894.2655	894.4655	894.6655	894.8655	895.0655	895.2655	895.4655	895.6655	895.8655
C–12	894.0715	894.2715	894.4715	894.6715	894.8715	895.0715	895.2715	895.4715	895.6715	895.8715
C–13	894.0775	894.2775	894.4775	894.6775	894.8775	895.0775	895.2775	895.4775	895.6775	895.8775
C–14	894.0835	894.2835	894.4835	894.6835	894.8835	895.0835	895.2835	895.4835	895.6835	895.8835
C–15	894.0895	894.2895	894.4895	894.6895	894.8895	895.0895	895.2895	895.4895	895.6895	895.8895
C–16	894.0955	894.2955	894.4955	894.6955	894.8955	895.0955	895.2955	895.4955	895.6955	895.8955
C–17	894.1015	894.3015	894.5015	894.7015	894.9015	895.1015	895.3015	895.5015	895.7015	895.9015
C–18	894.1075	894.3075	894.5075	894.7075	894.9075	895.1075	895.3075	895.5075	895.7075	895.9075
C–19	894.1135	894.3135	894.5135	894.7135	894.9135	895.1135	895.3135	895.5135	895.7135	895.9135
C–20	894.1195	894.3195	894.5195	894.7195	894.9195	895.1195	895.3195	895.5195	895.7195	895.9195
C–21	894.1255	894.3255	894.5255	894.7255	894.9255	895.1255	895.3255	895.5255	895.7255	895.9255
C–22	894.1315	894.3315	894.5315	894.7315	894.9315	895.1315	895.3315	895.5315	895.7315	895.9315
C–23	894.1375	894.3375	894.5375	894.7375	894.9375	895.1375	895.3375	895.5375	895.7375	895.9375
C–24	894.1435	894.3435	894.5435	894.7435	894.9435	895.1435	895.3435	895.5435	895.7435	895.9435
C–25	894.1495	894.3495	894.5495	894.7495	894.9495	895.1495	895.3495	895.5495	895.7495	895.9495
C–26	894.1555	894.3555	894.5555	894.7555	894.9555	895.1555	895.3555	895.5555	895.7555	895.9555
C–27	894.1615	894.3615	894.5615	894.7615	894.9615	895.1615	895.3615	895.5615	895.7615	895.9615
C–28	894.1675	894.3675	894.5675	894.7675	894.9675	895.1675	895.3675	895.5675	895.7675	895.9675

TABLE G–2.—AIRBORNE MOBILE STATION CHANNELS—Continued

	Channel block									
	10	9	8	7	6	5	4	3	2	1
C–29	894.1735	894.3735	894.5735	894.7735	894.9735	895.1735	895.3735	895.5735	895.7735	895.9735
P–6 ..	894.1813	894.3813	894.5813	894.7813	894.9813	895.1813	895.3813	895.5813	895.7813	895.9813
P–5 ..	894.1845	894.3845	894.5845	894.7845	894.9845	895.1845	895.3845	895.5845	895.7845	895.9845
P–4 ..	894.1877	894.3877	894.5877	894.7877	894.9877	895.1877	895.3877	895.5877	895.7877	895.9877
P–3 ..	894.1909	894.3909	894.5909	894.7909	894.9909	895.1909	895.3909	895.5909	895.7909	895.9909
P–2 ..	894.1941	894.3941	894.5941	894.7941	894.9941	895.1941	895.3941	895.5941	895.7941	895.9941
P–1 ..	894.1973	894.3973	894.5973	894.7973	894.9973	895.1973	895.3973	895.5973	895.7973	895.9973

§ 22.859 Geographical channel block layout.

Except as provided in paragraphs (a) and (b) of this section, ground station locations must be within 1.61 kilometers (one mile) of the locations listed in this paragraph. The channel block allotted for each location must be used to provide service to airborne mobile stations in flight and may be used to provide service to airborne mobile stations on ground.

Location	N. latitude	W. longitude	Channel block
Alaska:			
Anchorage	61°11′06″	149°54″42″	8
Cordova	60°33′00″	145°43′00″	5
Ketchikan	55°21′20″	131°42′33″	5
Juneau	58°21′18″	134°34″30″	4
Sitka	57°03′30″	135°22′01″	7
Yakutat	59°30′30″	142°30′00″	8
Alabama: Birmingham	33°23′24″	86°39′59″	2
Arizona:			
Phoenix	33°35′39″	112°05′12″	4
Winslow	35°01″17″	110°43′02″	6
Arkansas: Pine Bluff	34°10′56″	91°56′18″	8
California:			
Blythe	33°36′39″	114°42′24″	10
Eureka	40°42′59″	124°12′09″	8
Los Angeles	33°56′45″	118°23′03″	4
Oakland	37°51′12″	122°12′30″	1
San Francisco	37°41′15″	122°26′01″	6
Visalia	36°19′36″	119°23′22″	7
Colorado:			
Colorado Springs	38°44′39″	104°51′46″	8
Denver	39°46′45″	104°50′49″	1
Hayden	40°29′04″	107°13′08″	6
Florida:			
Miami	25°48′27″	80°16′30″	4
Orlando	28°26′53″	81°22′00″	2
Tallahassee	30°24′02″	84°21′18″	7
Georgia:			
Atlanta	33°39′05″	84°25′54″	5
St. Simon Island	31°09′22″	81°23′14″	6
Hawaii: Mauna Kapu	21°24′24″	158°06′02″	5
Idaho:			
Blackfoot	43°11′34″	112°20′57″	8
Caldwell	43°38′45″	116°38′44″	10
Illinois:			
Chicago	41°46′49″	87°45′20″	3
Kewanee	41°12′05″	89°57′33″	5
Schiller Park	41°57′18″	87°52′57″	2
Indiana: Fort Wayne	40°59′16″	85°11′31″	7
Iowa: Des Moines	41°31′58″	93°38′54″	1
Kansas:			
Garden City	37°59′35″	100°54′04″	3
Wichita	37°37′24″	97°27′15″	7
Kentucky: Fairdale	38°04′48″	85°47′33″	6
Louisiana:			
Kenner	30°00′44″	90°13′30″	3
Shreveport	32°27′09″	93°49′38″	5
Massachusetts: Boston	42°23′15″	71°01′03″	7