

(i) Only entities engaged in the following activities are eligible to use this spectrum, and then only in accordance with § 90.266:

(A) Prospecting for petroleum, natural gas or petroleum products;

(B) Distribution of electric power or the distribution by pipeline of fuels or water;

(C) Exploration, its support services, and the repair of pipelines; or

(D) The repair of telecommunications circuits.

(ii) Except as provided in this part, licensees may not use these frequencies in the place of other operational circuits permitted by the Commission's Rules. Circuits operating on these frequencies may be used only for the following purposes:

(A) Providing standby backup communications for circuits which have been disrupted and which directly affect the safety of life, property, or the national interest or are used for coordinating inter-utility, intra-utility, and power pool distribution of electric power;

(B) Providing operational circuits during exploration;

(C) Coordinating the repair of inter-utility, intra-utility, and power pool electric power distribution networks, or the repair of pipelines;

(D) Exploratory efforts in mining for solid fuels, minerals, and metals important to the national interest;

(E) Repair of pipelines used for the transmission of fuel or water; or,

(F) Services supporting the exploration for energy or mineral resources important to the national interest, without which such exploration cannot be conducted.

(G) Coordinating the repair of wireline or point-to-point microwave circuits.

(2) Use of this frequency is limited to an amplitude modulation mode of operation.

(3) This frequency is available for assignment only to stations utilized for geophysical purposes.

(4) Geophysical operations may use tone or impulse signaling for purposes other than indicating failure of equipment or abnormal conditions on this frequency. All such tone or impulse signaling shall be on a secondary basis and subject to the following limitations:

(i) Maximum duration of a single non-voice transmission, may not exceed 3 minutes;

(ii) The bandwidth utilized for secondary tone or impulse signaling shall not exceed that authorized to the licensee for voice emission on the frequency concerned;

(iii) Frequency loading resulting from the use of secondary tone or impulse signaling will not be considered in whole or in part, as a justification for authorizing additional frequencies in the licensee's mobile service system; and

(iv) The maximum transmitter output power for tone or impulse transmissions shall not exceed 50 watts.

(5) This frequency is primarily available for oil spill containment and cleanup operations and for training and drills essential in the preparations for the containment and cleanup of oil spills. It is secondarily available for general base-mobile operations on a noninterference basis. Secondary users of this frequency are required to forego its use should oil spill containment and cleanup activities be present in their area of operation or upon notice by the Commission or a primary user that harmful interference is being caused to oil spill containment or cleanup activities in other areas.

(6) Operation on this frequency is secondary to stations in the maritime mobile service operating in accordance with the International table of frequency allocations.

(7) This frequency is available for assignment to geophysical stations on a secondary basis to other licensees. Geophysical stations must cease operations on this frequency immediately upon receiving notice that interference is being caused to mobile service stations.

(8) This Government frequency is available for shared Government/non-Government use by stations engaged in oil spill containment and cleanup operations and for training and drills essential in the preparation for containment and cleanup of oil spills. Such use will be confined to inland and coastal waterways.

(9) This frequency may be assigned only to stations operating in an interconnected or coordinated utility system in accordance with an operational communications plan which sets forth all points of communications. Authorizations at variance with an established operational communications plan will be made only on a secondary basis.

(10) This frequency is also used on a secondary basis for cordless telephones under Part 15 of this chapter.

(11) The frequencies available for use at operational fixed stations in the band 72-76 MHz are listed in Sec. 90.257(a)(1). These frequencies are shared with other services and are available only in accordance with the provisions of Sec. 90.257.

(12) This frequency will be assigned with an authorized bandwidth not to exceed 11.25 kHz. In the 450-470 MHz band, secondary telemetry operations pursuant to § 90.238(e) will be authorized on this frequency.

(13) For FM transmitters the sum of the highest modulating frequency and the amount of frequency deviation may not exceed 2.8 kHz and the maximum frequency deviation may not exceed 2.5 kHz. For AM transmitters the highest modulating frequency may not exceed 2.0 kHz. The carrier frequency must be maintained within 0.0005 percent, and the authorized bandwidth may not exceed 6 kHz.

(14) This frequency is shared with the Public Safety Pool for remote control and telemetry operations.

(15) Operational fixed stations must employ directional antennas having a front-to-back ratio of at least 20 dB. Omnidirectional antennas having unity gain may be employed for stations communicating with at least three receiving locations separated by 160 deg. of azimuth.

(16) The maximum effective radiated power (ERP) may not exceed 20 watts for fixed stations and 2 watts for mobile stations. The height of the antenna system may not exceed 15.24 meters (50 ft.) above the ground. All such operation is on a secondary basis to adjacent channel land mobile operations.

(17) This frequency is available for the following:

(i) Assignment to multiple address fixed stations employing omnidirectional antennas used for power utility peak load shaving and shedding and to mobile stations used for the remote control of objects and devices. The maximum power that may be authorized to fixed stations is 300 watts output, and the maximum power that may be authorized for mobile stations is 1 watt output. This frequency may also be assigned to operational fixed stations employing directional antenna systems (front-to-back ratio of 20 dB) when such stations are located at least 120 km. (75 mi.) from the boundaries of any urbanized area of 200,000 or more population. (U.S. Census of Population, 1960). The maximum power output of the transmitter for such fixed stations may not exceed 50 watts. A1A, A1D, A2B, A2D, F1B, F1D, F2B, F2D, G1B, G1D, G2B, or G2D emission may be authorized.

(ii) On a secondary basis for remote control and telemetry operations, subject to paragraphs (d)(15), (16), (17) and (19) of this section.

(18) The maximum output power of the transmitter may not exceed 50 watts for fixed stations and 1 watt for mobile stations. A1A, A1D, A2B, A2D, F1B, F1D, F2B, F2D, G1B, G1D, G2B, or G2D emission may be authorized, and mobile stations used to control remote objects and devices may be operated in the continuous transmit mode.

(19) This frequency is limited to a maximum power of 20 watts.

(20) This frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

(21) Operation on this frequency is limited to a maximum output power of 75 watts.

(22) This frequency may also be used for the transmission of tone or voice communications, including such communications when prerecorded, for purposes of automatically indicating abnormal conditions of trackage and railroad rolling stock when in motion, on a secondary basis to other stations on this frequency. All such operations shall be subject to the following:

(i) The output power shall not exceed 30 watts;

(ii) The bandwidth used shall not exceed that authorized to the licensee for voice transmissions on the frequency concerned;

(iii) The station shall be so designed and installed that it can normally be activated only by its associated automatic control equipment and, in addition, it shall be equipped with a time delay or clock device which will deactivate the station within three (3) minutes following activation by the last car in the train; and

(iv) Stations authorized pursuant to the provisions of this subparagraph are exempt from the station identification requirements of § 90.425.

(23) In Puerto Rico and the Virgin Islands only, this frequency is available to all stations operating in the Industrial/Business Pool.

(24) In Puerto Rico and the Virgin Islands only, this frequency is available on a shared basis with remote pickup broadcast stations.

(25) Base and mobile stations authorized as of April 1, 1968, may continue to be authorized for such operation on a secondary basis to the Maritime Mobile Service. The licensees of such stations may renew, modify, reinstate, or assign their licenses in those cases where such assignment accompanies a change of ownership of the licensee's business to the assignee, and may expand existing systems when using that frequency; however, they will not be authorized to establish any new systems.

(26) For FM transmitters the sum of the highest modulating frequency and the amount of frequency deviation may not exceed 1.7 kHz and the maximum deviation may not exceed 1.2 kHz. For AM transmitters the highest modulating frequency may not exceed 1.2 kHz. The carrier frequency must be maintained within 0.0005 percent and the authorized bandwidth may not exceed 3 kHz.

(27) On a secondary basis this frequency may be assigned for remote control of all types of locomotives and, within a railroad yard or terminal area, for remote control of cab indicator

devices placed with a locomotive to give visual signals to the operator of the locomotive. (A1, A2, F1 or F2 emissions may be authorized.)

* * * * *

Section 90.127 is amended by revising the first sentence of paragraph (a) and the first sentence of paragraph (a)(1) to read as follows:

§90.127 Submission and filing of applications.

(a) All applications for private land mobile licenses that require both frequency coordination and fees as set forth at Part 1, Subpart G of this chapter shall first be sent to a certified coordinator for the radio pool concerned as specified in §§90.20(c)(2), ~~and~~ 90.35(b)(2) and 90.55(c)(2). * * *

(1) All applications for private land mobile licenses that require frequency coordination but not a fee shall be sent to a certified coordinator for the radio pool concerned as specified in §§90.20(c)(2), ~~and~~ 90.35(b)(2) and 90.55(c)(2). * * *

* * * * *

Section 90.167 is amended by revising paragraph (a) to read as follows:

§90.167 Time in which a station must commence service.

(a) Unless otherwise specified in this part, all 220-222 MHz, private carrier paging, Industrial/Business Pool, Public Service Pool and SMR licensees must commence service within twelve (12) months from the date of grant or the authorization cancels automatically and must be returned to the Commission.

* * * * *

Section 90.173 is amended to read as follows:

§ 90.173 Policies governing the assignment of frequencies.

(a) The frequencies which ordinarily may be assigned to stations in the services governed by this part are listed in Subparts B, C, D and F of this part. Frequencies other than those listed in Subparts B, ~~and~~ C and D may be assigned in the 150-174 MHz, 421-430 MHz, 450-470 MHz, and 470-512 MHz bands, provided such applications are accompanied by a showing of frequency coordination in accordance with the requirements of §90.175. * * *

* * * * *

(f) Applications for stations in the 150-174 MHz and 421-512 MHz bands for operation on frequencies 15 kHz or less removed from existing stations in the same geographic area will be granted based upon a recommendation from the applicable frequency coordinator as specified in §§90.20(c)(2), ~~and~~ 90.35(b)(2) and 90.55(c)(2).

(g) In the states of Alaska and Hawaii, and in areas outside the continental limits of the United States and the adjacent waters, the frequencies above 150.8 MHz which are listed elsewhere in this part as available for assignment to base stations or mobile stations in the Industrial/Business Pool or Public Service Pool are also available for assignment to operational fixed stations in the Industrial/Business Pool or Public Service Pool on a secondary basis.

* * * * *

(l) In the 150-174 MHz band, except where otherwise specifically provided, authorizations for frequencies that were available prior to August 18, 1995 will be granted with channel bandwidths of 25 kHz or less. Authorizations for all other frequencies in this band will be granted with channel bandwidths of 12.5 kHz or less (i.e., in the Public Safety Pool, frequencies subject to §§ 90.20(d)(27) and (d)(44), ~~and~~ in the Industrial/Business Pool, frequencies subject to §§ 90.35(c)(30) and (c)(33) and in the Public Service Pool, frequencies subject to §§ 90.55(d)(12) and (d)(20)).

(m) In the 421-512 MHz band, except where otherwise specifically provided, authorizations for frequencies that were available prior to August 18, 1995 will be granted with channel bandwidths of 25 kHz or less. New authorizations for frequencies 12.5 kHz removed from these frequencies will be made for channel bandwidths of 12.5 kHz or less (i.e., in the Public Safety Pool, frequencies subject to § 90.20(d)(27), ~~and~~ in the Industrial/Business Pool, frequencies subject to § 90.35(c)(30) and in the Public Service Pool, frequencies subject to § 90.55(d)(12)). Authorizations for frequencies 6.25 kHz removed from these frequencies will be granted with channel bandwidths of 6.25 kHz or less (i.e., in the Public Safety Pool, frequencies subject to § 90.20(d)(44), ~~and~~ in the Industrial/Business Pool, frequencies subject to § 90.35(c)(33) and in the Public Service Pool, frequencies subject to § 90.55(d)(20)).

* * * * *

Section 90.175 is amended by revising paragraphs (b) and (i) to read as follows:

§ 90.175 Frequency coordination requirements.

* * * * *

(b) *For frequencies between 25 and 470 MHz:* A statement is required from the applicable frequency coordinator as specified in §§90.20(c)(2), ~~and~~ 90.35(b)(2) and 90.55(c)(2) recommending the most appropriate frequency. The coordinator's recommendation may include comments on technical factors such as power, antenna height and gain, terrain, and other factors which may serve to minimize potential interference. Where an applicant is seeking authority to share any channel licensed on or before [effective date of these rules] to an entity eligible in the

Public Service Radio Pool, the concurrence of the Public Service Radio Pool coordinator associated with the existing licensee must be obtained under the following circumstances:

(1) for systems operating in the band 450-470 MHz, where the applicant's 21 dBu contour would encroach upon the 39 dBu contour of the existing system;

(2) for systems operating in the band 150-174 MHz, where the applicant's 19 dBu contour would encroach upon the 37 dBu contour of the existing system; and

(3) for systems operating on channels below 50 MHz, where an applicant's 12 dBu contour would encroach upon the 30 dBu contour of an existing system.

* * * * *

(i) The following applications need not be accompanied by evidence of frequency coordination: * * *

(5) Applications in the Industrial/Business Pool or Public Service Pool requesting a frequency designated for itinerant operation only.

* * * * *

Section 90.176 is amended to read as follows:

§ 90.176 Coordinator notification requirements on frequencies below 512 MHz.

(a) *Frequencies below 470 MHz.* Within one business day of making a frequency recommendation, each frequency coordinator must notify and provide the information indicated in paragraph (e) of this section to all other frequency coordinators who are also certified to coordinate that frequency.

(1) The applicable frequency coordinator for each frequency is specified in the coordinator column of the frequency tables of §§90.20(c)(3), ~~and~~ 90.35(b)(3) and 90.55(c)(4).

* * * * *

(b) *Frequencies in the 470-512 MHz band.* Within one business day of making a frequency recommendation, each frequency coordinator must notify and provide the information indicated in paragraph (e) of this section to all other certified frequency coordinators in the Public Safety Pool, ~~and the Industrial/Business Pool and the Public Service Pool.~~

* * * * *

Section 90.207 is amended by revising paragraph (l) to read as follows:

§ 90.207 Types of emissions.

* * * * *

(l) For stations in the Public Safety, ~~and~~ Industrial/Business and Public Service Pools utilizing digital voice modulation, in either the scrambled or unscrambled mode, F1E or G1E emission will be authorized.

* * * * *

Section 90.217 is amended to read as follows:

§ 90.217 Exemption from technical standards.

Except as noted herein, transmitters used at stations licensed below 800 MHz on any frequency listed in Subparts B, ~~and C and D~~ of this part or licensed on a business category channel above 800 MHz which have an output power not exceeding 120 milliwatts are exempt from the technical requirements set out in this subpart, but must instead comply with the following:

* * * * *

Section 90.238 is amended to read as follows:

§ 90.238 Telemetry operations.

* * * * *

(d) 216-220 and 1427-1435 MHz (as available in the Public Safety, ~~and~~ Industrial/Business and Public Service Pools and in accordance with § 90.259).

(e) In the 450-470 MHz band, telemetry operations will be authorized on a secondary basis with a transmitter output power not to exceed 2 watts on frequencies subject to §90.20(d)(27), ~~or~~ §90.35(c)(30) or §90.55(d)(12).

* * * * *

(i) Frequencies available for low power (2 watts or less) operations in the Industrial/Business or Public Service Pool.

* * * * *

Section 90.243 is amended to read as follows:

§ 90.243 Mobile relay stations.

* * * * *

(b) Several provisions for mobile relay operations:

* * * * *

(3) In the Industrial/Business Public Service Pool, on frequencies designated with an "LR" in the coordinator column of the frequency table in ~~§ 90.35(b)(3)~~ § 90.55(c)(4), mobile relay operation shall be on a secondary basis to other co-channel operations.

* * * * *

(c) Technical requirements for mobile relay stations.

* * * * *

(3) Except in the Industrial/Business Public Service Pool, on frequencies designated with an "LR" in the coordinator column of the frequency table in ~~§ 90.35(b)(3)~~ § 90.55(c)(4), each new mobile-relay station authorized after January 1, 1972, shall be equipped for automatic deactivation of the transmitter within 5 seconds after the signals controlling the station cease.

(4) Except in the Industrial/Business Public Service Pool, on frequencies designated with an "LR" in the coordinator column of the frequency table in ~~§ 90.35(b)(3)~~ § 90.55(c)(4), each new mobile-relay station authorized after January 1, 1972, during periods that is not controlled from a manned fixed control point; shall have an automatic time delay or clock device that will deactivate the station not more than 3 minutes after its activation by a mobile unit.

(5) In the Industrial/Business Public Service Pool, on frequencies designated with an "LR" in the coordinator column of the frequency table in ~~§ 90.35(b)(3)~~ § 90.55(c)(4), each mobile relay station, regardless of the frequency or frequencies of the signal by which it is activated shall be so designated and installed that it will be deactivated automatically when its associated receiver or receivers are not receiving a signal on the frequency or frequencies which normally activate it.

* * * * *

Section 90.247 is amended to read as follows:

§ 90.247 Mobile repeater stations.

* * * * *

(b) In the Industrial/Business or Public Service Pool, on frequencies below 450 MHz, only low power frequencies (2 watts or less output power) may be assigned for use by mobile

repeaters or by hand-carried transmitters whose communications are directed to mobile repeaters, when separate frequencies are assigned for that purpose.

* * * * *

(d) In the Industrial/Business Public Service Pool, on frequencies designated with an "LR" in the coordinator column of the frequency table in ~~§90.35(b)(3)~~ § 90.55(c)(4), use of mobile repeaters is on a secondary basis to the stations of any other licensee. Hand carried units used in connection with mobile repeaters on frequencies designated with an "LR" in the coordinator column of the frequency table in ~~§90.35(b)(3)~~ § 90.55(c)(4) may operate only above 150 MHz and are limited to a maximum output power of six watts. The frequency and maximum power shall be specified in the station authorization.

(e) In the Industrial/Business Public Service Pool, on frequencies designated with an "LR" in the coordinator column of the frequency table in ~~§90.35(b)(3)~~ § 90.55(c)(4), the output power of a mobile repeater station, when transmitting as a repeater station on the frequency used for communication with its associated pack-carried or hand-carried units, shall not exceed 6 watts except when the same frequency is also used by the same station for direct communication with vehicular mobile units or with one or more base stations.

* * * * *

Section 90.249 is amended to read as follows:

§ 90.249 Control stations.

* * * * *

(a) Frequencies for control stations.

* * * * *

(2) * * * In the Industrial/Business Public Service Pool, on frequencies designated with an "LR" in the coordinator column of the frequency table in ~~§90.35(b)(3)~~ § 90.55(c)(4), such a control station may be assigned any mobile service station frequency available for assignment to mobile stations. Such operation is on a secondary basis to use of the frequency for regular mobile service communications.

* * * * *

(c) * * * In the Industrial/Business Public Service Pool, on frequencies designated with an "LR" in the coordinator column of the frequency table in ~~§90.35(b)(3)~~ § 90.55(c)(4), base stations used intermittently as control stations shall operate only on a mobile service frequency which is available for assignment to base stations.

* * * * *

Section 90.257 is amended by revising the introductory text of paragraph (b) to read as follows:

§ 90.257 Assignment and use of frequencies in the band 72-76 MHz.

* * * * *

(b) The following criteria governs the authorization and use of frequencies in the 72-76 MHz band by mobile stations in the Industrial/Business and Public Service Pools.

* * * * *

Section 90.265 is amended by revising the introductory text of paragraph (a) to read as follows:

§ 90.265 Assignment and use of frequencies in the bands 169-172 MHz and 406-413 MHz.

(a) The following frequencies are available for assignment to fixed stations in the Industrial/Business or Public Service Pool subject to the provisions of this section:

* * * * *

Section 90.266 is amended to read as follows:

§ 90.266 Long distance communications on frequencies below 25 MHz.

* * * * *

(g) Applicants must fulfill eligibility requirements set out in §90.35(c)(1) or 90.55(d)(1) and submit communications plans pursuant to §90.129(o).

* * * * *

Section 90.267 is amended by revising paragraph (a) to read as follows:

§ 90.267 Assignment and use of frequencies in the 450-470 MHz band for low-power use.

(a) Any regularly assignable frequency in the 450-470 MHz band listed in the tables in Subparts B, ~~and C~~ and D of this part may be designated by the frequency coordinators as a low-power channel in a defined geographic area. * * *

* * * * *

Section 90.313 is amended by adding a new paragraph (a)(3), as follows:

§ 90.313 Frequency loading criteria.

(a) Except as provided for in paragraph (b) of this section, the maximum channel loading on frequencies in the 470-512 MHz band is as follows:

- (1) 50 units for systems eligible in the Public Safety Pool (see §90.20(a)).
- (2) 90 units for systems eligible in the Industrial/Business Pool (see §90.35(a)).
- (3) 90 units for systems eligible in the Public Service Pool (see §90.55(a)).

* * * * *

Section 90.419 is amended to read as follows:

§ 90.419 Points of communication.

* * * * *

(b) Base stations licensed on any frequency in the Industrial/Business or Public Service Pool and on base stations frequencies above 450 MHz in the Public Safety Pool may communicate on a secondary basis with other base stations, operational fixed stations, or fixed receivers authorized in these pools only when:

* * * * *

(d) Operational fixed stations licensed in the Industrial/Business or Public Service Pool may communicate on a secondary basis with associated base stations licensed in these services when:

* * * * *

Section 90.241 is amended by revising paragraph (b) to read as follows:

§ 90.241 Operation of mobile units in vehicles not under the control of the licensee.

* * * * *

(b) Industrial/Business and Public Service Pools. Mobile units licensed in the Industrial/Business or Public Service Pool may be installed in the following:

* * * * *

Section 90.425 is amended to read as follows:

§ 90.425 Station identification.

* * * * *

(a) Identification procedure. * * *

* * * * *

(4) Use of an identifier other than the assigned call sign.

* * * * *

(ii) In the Industrial/Business or Public Service Pool, licensees may request the Commission's local Engineer-in-Charge to approve the use of special mobile unit identifiers in lieu of the assigned call sign. * * *

(iii) In the Industrial/Business or Public Service Pool, railroad licensees (as defined in §90.7) may identify stations by the name of the railroad and the train number, caboose number, engine number, or the name of the fixed wayside station. * * *

* * * * *

Section 90.476 is amended to read as follows:

§ 90.476 Interconnection of fixed stations and certain mobile stations.

(a) Fixed stations and mobile stations used to provide the functions of fixed stations pursuant to the provisions of §§90.35(c)(11), 90.35(c)(42), 90.55(d)(16) and 90.267 are not subject to the interconnection provisions of §§90.477 and 90.483 and may be interconnected with the facilities of common carriers.

(b) Mobile stations used to provide the functions of base and mobile relay stations pursuant to the provisions of §§90.35(c)(11), 90.35(c)(42), 90.55(d)(16) and 90.267 are not subject to the provisions of §90.477(d)(3) and may be interconnected with the facilities of common carriers subject to the provisions of §§90.477(d)(1), 90.477(d)(2), 90.477(e), and 90.483.

* * * * *

Section 90.477 is amended by revising paragraph (d)(3) to read as follows:

§ 90.477 Interconnected systems.

* * * * *

(d) * * *

(3) For licensees in the Industrial/Business and Public Service Pools and those licensees who establish eligibility pursuant to §90.20(a)(2), except for §§90.20(a)(2)(i) and 90.20(a)(2)(ii) and medical emergency systems in the 450-470 MHz band, interconnection will be permitted only where the base station site or sites proposed stations are located 120 km (75 mi.) or more from the designated centers of the urbanized areas listed below. * * *

* * * * *

Section 90.494 is amended by revising paragraph (c) to read as follows:

§ 90.494 Paging operations on shared channels in the 929-930 MHz band.

* * * * *

(c) All frequencies listed in this section may be used to provide one-way paging communications to persons eligible for licensing under Subpart B, ~~or~~ C or D of this part, representatives of Federal Government agencies, individuals, and foreign governments and their representatives. The provisions of §90.173(b) apply to all frequencies listed in this section.

* * * * *

Section 90.603 is amended to read as follows:

§ 90.603 Eligibility. - The following persons are eligible for licensing in the 806-824 MHz, 851-869 MHz, 896-901 MHz and 935-940 MHz bands.

* * * * *

(b) Any person proposing to provide communications service to any person eligible for licensing under Subparts B, ~~or~~ C or D of this part on a not-for-profit, cost-shared basis.

(c) Any person eligible under this part and proposing to provide on a commercial basis base station an ancillary facilities as a Specialized Mobile Radio Service System operator, for the use of individuals, federal government agencies and persons eligible for licensing under Subparts B, ~~or~~ C or D of this part.

* * * * *

Section 90.623 is amended by revising paragraph (b) to read as follows:

§ 90.623 Limitation on the number of frequencies assignable for conventional systems.

* * * * *

(b) Where an applicant proposes to operate a conventional radio system to provide facilities for the use of a single person or entity eligible under Subparts B, ~~C~~ or D of this part, the applicant may be assigned only the number of frequency pairs justified on the basis of the requirement of the proposed single user of the system.

* * * * *

Section 90.625 is amended by revising paragraph (b) to read as follows:

§ 90.625 Other criteria to be applied in assigning channels for use in conventional systems of communication.

* * * * *

(b) Where an applicant proposes to furnish service to eligibles under Subparts B, ~~C~~ or D of this part on a commercial basis using a conventional system of communication, the applicant will be considered on the same basis as that of an applicant for private or shared communication facilities.

* * * * *

Section 90.631 is amended to read as follows:

§90.631 Trunked systems loading, construction and authorization requirements.

* * * * *

(g) Wide area systems may be authorized to persons eligible for licensing under Subparts B, ~~C~~ or D of this part upon an appropriate showing of need. * * *

(h) Regional, statewide, or ribbon configuration systems may be authorized to persons eligible for licensing under Subparts B, ~~C~~ or D of this part upon an appropriate showing of need. * * *

* * * * *

Section 90.633 is amended to read as follows:

§ 90.633 Conventional systems loading requirements.

* * * * *

(f) Wide area systems may be authorized to persons eligible for licensing under Subparts B, ~~or C~~ or D of this part upon an appropriate showing of need. * * *

(g) Regional, statewide, or ribbon configuration systems may be authorized to persons eligible for licensing under Subparts B, ~~or C~~ or D of this part upon an appropriate showing of need. * * *

* * * * *

Section 90.645 is amended by revising paragraph (b) to read as follows:

§ 90.645 Permissible operations. - Conventional and trunked radio systems may be used:

* * * * *

(b) Only persons who are eligible for facilities, either under this subpart or in the radio service included under Subparts B, ~~or C~~ or D of this part.

* * * * *

Section 90.656 is amended by revising paragraph (a) to read as follows:

§ 90.656 Responsibilities of base station licensees of Specialized Mobile Radio systems.

(a) The licensees of base stations that provide Specialized Mobile Radio service on a commercial basis of the use of individuals, Federal government agencies, or persons eligible for licensing under either Subparts B, ~~or C~~ or D of this part will be responsible for exercising effective operational control over all mobile and control stations that communicate with the base station. * * *

* * * * *

Section 90.703 is amended to read as follows:

§ 90.703 Eligibility. - The following persons are eligible for licensing in the 220-222 MHz band.

(a) Any person eligible for licensing under Subparts B, ~~or C~~ or D of this part.

(b) Any person proposing to provide communications service to any person eligible for licensing under Subparts B, ~~or C~~ or D of this part, on a not-for-profit, cost-shared basis.

(c) Any person eligible under this part proposing to provide on a commercial basis, station and ancillary facilities for the use of individuals, federal government agencies and persons eligible for licensing under Subparts B, ~~or C~~ or D of this part.

* * * * *

Section 90.733 is amended to read as follows:

§ 90.733 Permissible operations.

(a) Systems authorized in the 220-222 MHz band may be used:

* * * * *

(2) Only by persons who are eligible for facilities under either this subpart or in the pools included in subparts B, ~~C~~ C or D of this part.

Appendix B

List of Channels Shared by IW, IP and/or LR Licensees and Other Licensees in the PLMR Bands Below 800 MHz Showing Number of Call Signs Per Category of Licensee

LOW BAND

FREQ	IB	IF	IM	IP	IS	IT	IW	IX	IY	LA	LI	LJ	LR	LU	LV	LX	PF	PH	PL	PO	PP	PS	Total	IW, IP, LR
30.66	0	0	0	17	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	20	17
30.74	0	0	0	13	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	17	13
30.82	0	0	0	25	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	27	25
31.32	1	0	0	0	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	0
31.36	0	0	0	0	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67	0
31.4	0	0	0	0	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	0
31.44	0	0	0	0	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74	0
31.48	0	0	0	2	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70	2
31.52	0	0	0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	0
31.6	0	0	0	2	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74	2
31.64	0	0	0	0	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	0
31.72	0	0	0	0	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	0
31.76	0	0	0	0	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68	0
35.48	1	0	0	19	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96	19
48.56	0	49	0	86	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	140	90
48.58	0	52	0	82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	134	82
48.6	0	36	0	116	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	163	127
48.62	1	51	0	137	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	189	137
48.64	0	50	0	61	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	127	77
48.66	0	45	0	194	0	0	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	297	252
48.68	0	55	0	67	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	126	71
48.7	0	34	0	152	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	191	157
48.72	0	58	0	105	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	165	106
48.74	0	28	0	194	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	225	197
48.76	0	31	0	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101	70
48.78	1	32	0	138	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	177	144
48.8	0	31	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94	63
48.82	0	39	0	126	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	166	127
48.84	0	38	0	31	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70	32
48.86	0	21	0	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	112	91
48.88	0	43	0	37	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88	45
48.9	0	34	0	191	1	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	237	202
48.92	0	43	0	46	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93	49
48.94	0	25	0	163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	188	163
48.96	1	31	0	52	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89	57
48.98	0	36	0	96	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	134	98
49	0	25	0	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77	52
49.02	0	28	0	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	148	120
49.04	0	34	0	58	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	93	58
49.06	0	27	0	134	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	162	134
49.08	0	40	0	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86	46
49.1	1	25	0	69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95	69
49.12	0	52	0	50	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	104	51

FREQ	IB	IF	IM	IP	IS	IT	IW	IX	IY	LA	LI	LJ	LR	LU	LV	LX	PF	PH	PL	PO	PP	PS	Total	IW, IP, LR
49.14	0	30	0	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	78	48
49.16	0	38	0	54	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	93	54
49.18	0	22	0	148	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	176	154
49.2	0	32	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	92	60
49.22	0	58	0	57	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	116	57
49.24	1	38	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	36
49.26	0	31	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	51	19
49.28	0	47	0	39	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	87	39
49.3	0	64	0	97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	161	97
49.32	0	39	0	91	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	132	92
49.34	0	71	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	135	64
49.36	0	53	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	30
49.38	0	54	0	65	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120	66
49.4	1	33	0	49	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84	50
49.42	0	58	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	24
49.44	0	38	0	99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	137	99
49.46	0	53	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72	19
49.48	0	58	0	99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	157	99
49.5	0	38	0	62	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101	62
62																							6932	4214

70 MHz BAND

FREQ	IB	IF	IM	IP	IS	IT	IW	IX	IY	LA	LI	LJ	LR	LU	LV	LX	PF	PH	PL	PO	PP	PS	Total	IW, IP, LR
72.02	39	4	0	9	5	0	9	353	0	0	0	0	1	0	3	0	2	3	6	1	8	2	445	19
72.04	36	0	0	4	3	1	6	233	0	0	0	0	0	0	0	0	1	1	3	1	3	1	293	10
72.06	26	1	0	4	0	0	5	300	1	0	0	0	1	0	1	0	3	3	0	0	5	1	351	10
72.08	18	0	0	7	2	0	6	210	0	1	0	1	0	1	0	0	0	2	2	2	4	1	257	13
72.1	33	2	0	4	2	0	10	285	0	0	0	2	0	0	1	0	3	3	5	1	12	1	364	14
72.12	22	0	0	6	1	0	1	219	0	0	0	0	0	0	1	0	0	2	0	0	2	1	255	7
72.14	30	1	0	4	5	0	10	319	0	0	0	0	1	0	0	0	2	0	2	1	3	2	380	15
72.16	32	0	0	3	1	0	4	217	1	0	0	0	0	0	1	0	0	0	1	0	1	1	262	7
72.18	19	1	0	3	5	0	14	258	0	0	0	0	1	0	0	0	3	1	1	0	1	2	309	18
72.2	38	2	0	2	3	0	13	236	0	0	0	0	1	0	1	0	2	0	4	0	1	1	304	16
72.22	30	2	0	5	2	0	15	198	0	0	0	0	0	0	1	0	1	4	5	0	3	0	266	20
72.24	12	1	0	2	2	0	3	306	0	0	0	0	1	0	0	0	0	2	3	0	2	1	335	6
72.26	14	1	0	2	2	0	10	194	0	0	0	0	0	0	1	0	1	0	4	0	7	1	237	12
72.28	21	0	0	3	1	0	4	192	0	0	0	0	0	0	0	0	0	3	5	0	1	3	233	7
72.3	37	0	0	5	3	0	10	231	0	0	1	0	0	0	1	0	0	0	2	0	6	4	300	15
72.32	26	0	0	3	0	0	4	202	0	0	0	1	0	0	1	0	0	4	5	0	2	0	248	7
72.34	22	0	0	13	6	0	8	187	0	0	0	4	0	0	0	0	1	0	4	5	2	4	256	21
72.36	23	0	0	2	2	0	7	246	0	0	0	0	0	0	1	0	1	3	1	0	5	0	291	9
72.38	14	1	0	12	1	0	10	240	0	0	0	0	0	0	0	0	0	0	3	0	1	0	282	22
72.4	33	0	0	3	0	0	3	267	0	0	0	0	1	0	1	0	0	1	7	0	2	1	319	7
72.42	18	0	0	5	2	0	4	14	0	0	0	0	2	0	0	0	0	0	5	0	2	2	54	11
72.44	1	6	0	2	12	0	4	343	0	0	0	0	22	0	0	0	2	1	2	0	0	0	395	28
72.46	25	2	0	6	1	0	1	7	0	0	0	0	0	0	1	0	0	0	3	1	3	2	52	7
72.48	1	4	0	2	9	0	6	326	0	0	0	0	18	0	0	0	2	1	1	0	0	0	370	26
72.5	57	0	0	7	4	0	14	12	0	0	0	0	1	0	0	0	0	1	17	1	6	1	121	22
72.52	1	4	0	0	9	0	5	246	0	0	0	0	15	0	0	0	1	1	1	0	0	0	283	20
72.54	31	0	0	4	1	0	6	8	0	0	0	0	1	0	1	0	2	21	8	0	1	1	85	11
72.56	2	7	0	0	8	0	2	291	0	0	0	0	22	0	0	0	1	1	1	0	0	0	335	24
72.58	21	1	0	4	3	0	5	11	0	0	0	0	1	0	0	0	1	0	14	0	6	1	68	10
72.6	2	6	0	0	6	0	4	310	0	0	0	0	14	0	0	0	0	1	1	0	0	0	344	18
72.62	42	0	0	7	3	0	1	11	0	0	0	0	1	0	1	0	1	1	5	0	3	1	77	9
72.64	26	0	0	4	1	0	13	9	0	0	0	0	0	0	0	0	3	0	8	1	2	1	68	17
72.66	30	0	0	4	1	0	4	12	0	0	0	0	0	0	0	0	2	1	7	0	0	3	64	8
72.68	27	0	0	3	2	0	4	11	0	0	0	0	1	0	0	0	1	1	8	0	1	0	59	8
72.7	36	0	0	4	2	0	6	11	0	0	0	0	0	0	0	0	3	0	5	0	2	2	71	10
72.72	27	0	0	4	1	0	7	8	0	0	0	0	0	0	0	0	3	2	5	0	0	2	59	11
72.74	22	1	0	4	0	0	5	5	0	0	0	0	0	0	0	0	1	0	4	2	1	0	45	9
72.76	26	1	0	2	6	0	4	8	0	0	0	0	1	0	0	0	1	1	3	1	2	0	56	7
72.78	22	0	0	4	2	0	4	6	0	0	0	0	1	0	0	0	2	1	7	0	6	3	58	9
72.8	25	1	0	3	3	0	9	10	0	0	0	0	1	0	1	0	1	0	2	1	1	0	58	13
72.82	24	0	0	3	0	0	1	6	0	0	0	0	0	0	0	0	1	1	20	0	2	4	62	4
72.84	17	1	0	3	2	0	4	7	0	0	0	0	1	0	0	0	0	0	5	0	6	0	46	8
72.86	19	0	0	2	4	0	3	7	0	0	0	0	0	0	0	0	0	0	8	0	6	2	51	5
72.88	19	0	0	5	2	0	6	6	1	0	0	0	0	0	0	0	2	0	13	0	7	1	62	11
72.9	41	0	0	2	5	0	5	9	0	0	0	1	0	0	1	0	0	0	2	0	5	3	74	7
72.92	20	0	0	7	2	0	4	6	0	0	0	0	0	0	0	0	2	0	7	0	4	0	52	11
72.94	26	3	0	4	1	0	5	5	0	0	0	0	0	0	0	0	1	0	0	0	6	1	52	9
72.96	31	0	0	6	4	0	5	4	0	0	0	0	0	0	1	0	1	1	3	0	3	0	59	11
72.98	39	0	0	7	4	0	5	8	0	0	0	0	0	0	0	0	1	0	7	0	5	2	78	12
74.61	39	0	0	1	0	0	4	27	0	0	0	0	5	0	0	0	0	1	0	0	0	0	77	10

FREQ	IB	IF	IM	IP	IS	IT	IW	IX	IY	LA	LI	LJ	LR	LU	LV	LX	PF	PH	PL	PO	PP	PS	Total	IW, IP, LR
74.63	3	0	0	0	0	0	1	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	1
74.65	37	0	0	0	0	0	5	24	0	0	0	0	1	0	0	0	0	0	0	0	0	0	67	6
74.67	3	0	0	0	0	0	1	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	1
74.69	4	0	0	0	0	0	1	15	0	0	0	0	1	0	0	0	0	0	0	0	0	0	21	2
74.71	36	0	0	0	0	0	2	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56	2
74.73	5	0	0	0	0	0	0	9	0	0	0	0	1	0	0	0	0	0	0	0	0	0	15	1
74.75	34	0	0	0	0	0	2	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	2
74.77	4	0	0	0	0	0	1	9	0	0	0	0	1	0	0	0	0	0	0	0	0	0	15	2
74.79	28	0	0	0	0	0	4	11	0	0	0	0	1	0	0	0	0	0	0	0	0	0	44	5
75.21	35	0	0	0	0	0	4	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	4
75.23	4	0	0	0	0	0	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	2
75.25	72	0	0	0	0	0	4	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94	4
75.27	3	0	0	0	0	0	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	2
75.29	4	0	0	0	0	0	0	11	0	0	0	0	1	0	0	0	0	0	0	0	0	0	16	1
75.31	71	0	0	0	0	0	4	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	87	4
75.33	5	0	0	0	0	0	2	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	2
75.35	33	0	0	0	0	0	1	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	1
75.37	6	0	0	0	0	0	2	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	2
75.39	78	0	0	0	0	0	3	16	0	0	0	0	4	0	0	0	0	0	0	0	0	0	101	7
75.42	48	1	0	9	4	0	10	4	0	0	0	0	1	0	0	0	2	0	7	2	6	3	97	20
75.44	4	2	0	0	6	0	7	263	0	0	0	0	20	0	0	0	0	1	0	0	0	0	303	27
75.46	31	0	0	4	2	0	6	5	1	1	0	0	0	0	1	0	1	2	1	0	8	1	64	10
75.48	0	3	0	0	6	0	6	253	0	0	0	0	11	0	0	0	2	1	1	0	0	0	283	17
75.5	51	0	0	14	4	0	10	6	0	0	0	0	0	0	0	0	1	0	8	0	8	3	105	24
75.52	2	3	0	0	2	0	8	252	0	0	0	0	10	0	0	0	1	1	0	1	0	0	280	18
75.54	37	0	0	5	2	0	12	5	0	1	1	0	0	0	0	0	1	0	5	1	4	4	78	17
75.56	1	107	0	0	3	0	5	175	0	0	0	0	9	0	0	0	2	1	0	0	0	0	303	14
75.58	39	1	0	15	4	1	3	7	1	0	0	0	1	0	1	0	1	2	6	0	5	3	90	19
75.6	1	32	0	0	7	0	4	254	0	0	0	0	12	0	0	0	1	1	0	0	0	0	312	16
75.62	53	0	0	9	7	0	5	6	0	0	0	0	0	0	0	0	0	1	7	0	5	2	95	14
75.64	33	0	0	4	5	0	6	7	0	0	0	1	0	0	1	0	1	2	6	0	3	2	71	10
75.66	40	0	0	5	3	0	9	9	0	0	0	0	0	0	1	0	0	6	4	0	4	2	83	14
75.68	42	2	0	2	3	1	6	4	0	0	0	2	0	1	1	0	1	0	6	0	2	1	74	8
75.7	46	0	0	6	0	0	4	7	0	0	0	2	0	0	0	0	3	6	0	1	3	1	79	10
75.72	22	1	0	4	1	0	4	4	0	0	0	1	0	0	1	0	2	2	6	0	4	0	52	8
75.74	49	0	0	3	2	0	2	12	0	0	0	1	1	0	1	0	1	3	2	5	3	1	86	6
75.76	20	2	0	3	5	0	3	3	0	0	0	0	0	0	1	0	1	2	6	1	2	1	50	6
75.78	49	0	0	5	1	0	7	9	0	0	0	0	0	0	0	0	1	7	14	0	1	2	96	12
75.8	19	1	0	5	7	0	9	7	0	0	0	0	0	0	0	0	2	10	5	0	3	2	70	14
75.82	26	1	0	8	3	0	3	13	0	0	0	1	0	0	1	0	1	1	5	0	7	2	72	11
75.84	28	0	0	4	4	0	3	5	0	1	0	0	0	0	1	0	1	1	2	2	2	0	54	7
75.86	30	0	0	5	3	0	10	11	0	0	0	0	0	0	1	0	1	2	5	0	7	0	75	15
75.88	40	0	0	8	2	0	9	3	0	0	0	1	1	0	1	0	1	0	4	0	8	3	81	18
75.9	39	0	0	4	4	0	7	11	0	0	0	0	1	0	1	0	1	4	5	0	11	4	92	12
75.92	29	0	0	6	4	0	6	3	0	0	0	0	0	0	1	0	2	2	1	0	6	0	60	12
75.94	29	1	0	4	2	0	7	6	0	0	0	0	0	0	0	0	1	1	4	2	3	3	63	11
75.96	33	3	0	9	9	0	5	4	0	0	0	0	0	0	0	0	2	0	7	0	11	1	84	14
75.98	29	1	0	3	3	0	2	9	0	0	0	0	1	0	0	0	0	2	1	0	20	0	71	6
98																							13390	1062

HIGH BAND

FREQ	IB	IF	IM	IP	IS	IT	IW	IX	IY	LA	LI	LJ	LR	LU	LV	LX	PF	PH	PL	PO	PP	PS	Total	IW, IP, LR	
153.035	1	0	0	21	907	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	929	21	
153.05	0	66	0	129	224	0	5	324	0	0	0	0	0	0	0	0	0	0	0	0	0	0	748	134	
153.065	1	110	0	74	4	1	3	238	0	0	1	0	0	0	0	0	0	0	0	0	0	0	432	77	
153.08	0	63	0	100	4	0	1	383	0	0	0	0	0	0	0	0	0	0	0	0	1	0	552	101	
153.095	1	87	0	60	0	0	1	253	0	0	0	0	0	0	0	1	0	0	0	0	1	0	404	61	
153.11	0	84	0	171	3	0	1	281	0	0	0	0	0	0	0	0	0	0	0	0	0	0	540	172	
153.125	0	73	0	59	250	0	1	222	0	0	0	0	0	0	0	0	0	0	0	0	0	0	605	60	
153.14	1	67	0	102	5	0	5	324	0	0	0	0	0	0	0	0	0	0	0	0	0	0	504	107	
153.155	0	79	0	41	2	0	6	225	0	0	0	0	0	0	0	1	0	0	0	0	0	0	354	47	
153.17	0	84	0	123	2	0	3	242	0	0	0	0	0	0	0	1	0	0	0	0	0	0	455	126	
153.185	0	90	0	54	2	0	0	213	0	0	0	0	0	0	0	0	0	0	0	0	0	0	359	54	
153.2	0	88	0	160	2	0	4	248	0	0	0	0	0	0	0	0	0	0	0	0	0	0	502	164	
153.215	0	85	0	61	1	0	5	190	0	0	0	0	0	0	0	0	0	0	0	0	0	0	342	66	
153.23	0	64	0	145	1	0	3	212	0	0	0	0	0	0	0	0	0	0	0	0	0	0	425	148	
153.245	0	94	0	42	1	0	1	187	0	0	0	0	0	0	0	1	0	0	0	0	0	0	326	43	
153.26	0	61	0	127	0	0	34	277	0	0	0	0	0	0	0	0	0	0	0	0	0	0	499	161	
153.275	0	90	0	49	0	0	6	199	0	0	0	0	0	0	0	0	0	0	0	0	0	1	345	55	
153.29	0	62	0	203	6	0	1	201	0	0	0	0	0	0	0	0	0	0	0	0	1	0	474	204	
153.305	2	80	0	46	1	0	7	214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	350	53	
153.32	0	66	0	88	0	0	3	284	0	0	0	0	0	0	0	0	0	0	0	0	0	2	443	91	
153.335	0	76	0	83	243	0	3	173	0	0	0	0	0	0	0	0	0	0	0	0	0	0	578	86	
153.35	1	65	0	141	217	0	3	199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	626	144	
153.365	2	85	0	70	194	0	3	162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	516	73	
153.38	1	62	0	54	208	0	7	273	0	0	0	0	0	0	0	0	0	0	0	0	0	0	605	61	
153.395	2	73	0	60	221	0	3	166	0	0	0	0	0	0	0	2	0	0	1	0	2	0	530	63	
153.425	0	11	0	25	0	0	357	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	394	382	
153.44	0	3	0	44	0	0	315	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	362	359	
153.455	1	26	0	20	1	0	288	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	337	308	
153.485	1	6	0	31	0	0	294	0	0	0	0	0	0	0	0	0	1	0	1	0	3	0	337	325	
153.5	0	3	0	70	1	0	286	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	362	356	
153.515	1	7	0	15	0	0	321	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	344	336	
153.545	0	28	0	22	1	0	268	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	320	290	
153.56	0	10	0	20	0	0	312	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	342	332	
153.575	1	10	0	16	0	0	215	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	244	231	
153.605	2	11	0	20	0	0	320	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	353	340	
153.62	0	32	0	26	2	0	355	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	415	381	
153.635	1	10	0	13	0	0	304	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	328	317	
153.665	1	6	0	3	0	0	311	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	324	314	
153.68	2	10	0	58	0	0	329	0	0	0	0	0	0	0	0	0	1	0	2	0	1	0	403	387	
154.4563	23	4	0	43	27	0	189	7	0	0	0	0	0	0	0	0	0	0	96	0	1	0	390	232	
154.4638	2	0	0	30	8	0	731	0	0	0	0	0	0	0	0	0	0	0	23	0	0	0	794	761	
154.4713	4	0	0	149	16	0	407	6	0	0	0	0	0	0	0	0	0	0	97	0	0	0	679	556	
154.4788	17	0	0	54	10	0	193	0	0	0	0	0	0	0	0	0	0	0	71	0	1	0	346	247	
157.2	0	1	0	4	23	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	4	
157.225	0	1	0	1	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	1	
157.25	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	
157.275	0	0	0	0	4	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	6	0	
157.3	0	0	0	0	7	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	8	0	
157.35	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	7	0	
157.357	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

FREQ	IB	IF	IM	IP	IS	IT	IW	IX	IY	LA	LI	LJ	LR	LU	LV	LX	PF	PH	PL	PO	PP	PS	Total	IW, IP, LR	
157.375	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	5	1	
157.4	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	
158.145	1	19	0	13	0	0	358	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	391	371	
158.16	0	26	0	25	1	0	368	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	422	393	
158.175	1	13	0	31	1	0	308	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	356	339	
158.205	0	20	0	17	0	0	342	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	380	359	
158.22	0	30	0	78	0	0	337	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	445	415	
158.235	0	36	0	22	0	0	293	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	352	315	
158.265	1	14	0	13	1	0	345	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	374	358	
158.28	0	151	0	142	3	0	0	265	0	0	0	0	0	0	0	0	0	0	0	1	1	2	565	142	
158.295	1	110	0	75	6	0	3	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	395	78	
158.31	0	86	0	154	5	0	7	208	0	0	0	0	0	0	0	0	0	0	1	0	0	0	461	161	
158.325	0	87	0	85	238	0	4	189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	603	89	
158.355	0	126	0	72	279	0	5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	483	77	
158.37	0	115	0	261	3	0	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	387	268	
158.415	0	95	0	85	264	0	3	170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	617	88	
158.43	0	79	0	172	2	0	3	220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	476	175	
161.8	0	1	0	4	23	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	4	
161.825	0	1	0	1	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	1	
161.85	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	18	0	
161.875	0	0	0	0	4	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	6	0	
161.9	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	
161.925	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	
161.925	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161.95	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	4	0	10	0	
161.975	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	8	1	
162	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	
173.2037	1	0	0	2	0	0	16	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	20	18	
173.2038	10	3	0	185	20	0	437	5	0	0	0	0	0	0	0	0	0	0	130	0	0	0	790	622	
173.21	4	2	0	48	22	0	231	3	0	0	0	0	0	0	0	0	0	0	80	0	0	0	390	279	
173.25	0	9	0	18	0	0	190	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	217	208	
173.3	0	4	0	14	0	0	162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	180	176	
173.35	0	7	0	21	0	0	197	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	225	218	
173.39	4	0	0	48	8	0	301	2	0	0	0	0	0	0	0	0	0	0	126	0	0	0	489	349	
173.2375	12	0	0	43	18	0	177	7	0	0	0	0	0	0	0	0	0	0	164	0	0	0	421	220	
173.2625	11	0	0	23	16	0	253	2	0	0	0	0	0	0	0	0	0	0	123	0	0	0	428	276	
173.2875	13	0	0	35	16	0	264	4	0	0	0	0	0	0	0	0	0	0	126	0	0	0	458	299	
173.3125	7	1	0	18	16	0	225	5	0	0	0	0	0	0	0	0	0	0	123	0	0	0	395	243	
173.3375	6	1	0	46	8	0	276	7	0	0	0	0	0	0	0	0	0	0	123	0	0	0	467	322	
173.3625	12	0	0	27	7	0	184	2	0	0	0	0	0	0	0	0	0	0	106	0	0	0	338	211	
173.3962	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	17	15	
173.3963	10	1	0	93	26	0	653	6	0	0	0	0	0	0	0	1	0	0	279	0	0	0	1069	746	
92																							32310	16668	

UHF BAND

FREQ	IB	IF	IM	IP	IS	IT	IW	IX	IY	LA	LI	LJ	LR	LU	LV	LX	PF	PH	PL	PO	PP	PS	Total	IW, IP, LR
451.175	0	23	0	77	0	10	220	147	0	0	0	0	0	0	0	0	2	1	5	0	1	1	487	297
451.225	3	21	0	71	0	10	238	91	0	1	0	0	0	0	0	0	1	0	0	2	5	9	452	309
451.275	2	21	0	85	0	24	256	100	0	0	0	0	0	0	0	0	1	0	2	0	1	0	492	341
451.375	2	22	0	129	0	24	289	92	0	0	0	0	0	0	0	0	1	4	2	0	4	1	570	418
451.425	2	17	0	77	0	63	292	91	0	0	0	0	1	0	0	0	0	0	1	0	0	0	544	370
451.475	2	20	0	86	0	21	271	94	0	0	0	0	1	0	0	1	2	0	1	1	2	0	502	358
451.525	1	11	0	85	0	36	284	85	0	0	0	0	0	0	0	0	0	0	3	0	4	0	509	369
451.55	7	50	0	229	3	1	8	0	0	0	0	0	0	0	0	0	3	0	3	0	7	1	312	237
451.575	2	28	0	79	1	33	250	100	0	0	0	0	0	0	0	0	1	0	0	0	0	1	495	329
451.6	6	70	0	177	1	1	11	4	0	1	0	0	1	0	0	0	0	0	3	0	4	0	279	189
451.625	1	25	0	89	2	17	194	103	0	0	0	0	1	0	0	0	5	1	1	0	1	1	441	284
451.65	9	59	0	185	3	0	9	2	0	0	0	0	2	0	0	0	1	0	1	0	1	3	275	196
451.675	1	14	0	96	0	27	189	92	0	0	0	0	1	0	0	0	0	0	1	0	1	0	422	286
451.7	5	77	0	186	3	0	5	2	0	0	0	0	0	0	0	0	2	0	4	0	1	3	288	191
451.75	4	51	0	191	10	3	9	2	1	0	0	0	0	0	0	0	4	1	7	0	3	0	286	200
452.325	26	7	0	78	41	0	54	2	1	0	13	23	23	11	10	0	0	9	2	0	4	2	306	155
452.375	21	6	0	53	25	0	47	3	0	0	8	20	26	12	6	3	3	11	6	0	3	3	256	126
452.425	23	5	0	52	32	1	49	0	0	0	10	22	25	14	11	2	3	1	2	0	3	5	260	126
452.475	20	2	0	62	25	1	35	3	0	0	11	27	11	15	5	4	1	0	6	0	3	4	235	108
452.775	16	3	0	30	16	0	28	1	1	1	8	26	24	10	10	2	1	0	8	0	4	36	225	82
452.825	11	3	0	40	14	0	44	5	1	0	5	21	19	16	9	0	3	1	4	1	3	19	219	103
452.875	21	2	0	29	13	0	46	2	0	1	3	27	15	9	8	0	1	0	6	4	6	40	233	90
456.175	0	28	0	70	0	8	226	131	0	1	0	0	0	0	0	0	2	8	6	0	9	0	489	296
456.225	3	18	0	63	0	8	251	95	0	1	0	0	0	0	0	0	1	0	0	2	8	10	460	314
456.275	2	11	0	120	1	11	278	82	0	0	0	0	0	0	0	0	1	0	2	0	8	0	516	398
456.375	2	18	0	88	0	18	256	80	0	0	0	0	0	0	0	0	1	3	1	0	3	1	471	344
456.425	2	17	0	72	0	62	305	76	0	0	0	0	0	0	0	0	0	0	1	0	2	0	537	377
456.475	2	13	0	77	0	19	299	89	0	0	0	0	1	0	0	1	3	0	1	1	7	0	513	377
456.525	1	13	0	86	0	25	331	71	0	0	0	0	0	0	0	0	0	0	1	0	7	0	535	417
456.55	6	39	0	198	3	1	6	0	0	0	0	0	0	0	0	0	3	0	3	0	6	1	266	204
456.575	1	31	0	60	1	22	289	78	0	0	0	0	0	0	0	0	1	0	0	0	3	1	487	349
456.6	6	63	0	154	1	3	8	2	0	1	0	0	1	0	0	0	0	0	1	0	3	0	243	163
456.625	1	25	0	81	4	15	188	86	0	0	0	0	1	0	0	0	5	1	1	0	4	1	413	270
456.65	10	51	0	176	3	0	6	2	0	0	0	0	2	0	0	0	1	0	1	0	2	3	257	184
456.675	1	14	0	81	0	21	226	84	0	0	0	0	1	0	0	0	0	0	0	0	1	0	429	308
456.7	5	73	0	148	3	0	4	1	0	0	0	0	0	0	0	0	2	0	3	0	1	2	242	152
456.75	4	40	0	161	11	3	9	1	1	0	0	0	0	0	0	0	2	1	5	0	5	0	243	170
457.325	25	7	0	59	42	0	39	2	1	0	10	21	25	11	8	0	0	4	3	0	5	1	263	123
457.375	21	6	0	57	23	0	53	1	0	0	8	19	34	9	6	3	3	10	10	0	3	1	267	144
457.425	25	4	0	43	29	1	31	0	0	0	9	22	32	16	11	2	2	1	1	0	0	5	234	106
457.475	19	2	0	44	22	0	38	2	0	0	11	26	16	12	3	4	1	0	2	0	5	3	210	98
457.775	17	3	0	26	14	0	32	0	1	1	8	25	34	6	9	2	1	0	5	0	3	4	191	92
457.825	12	3	0	29	13	0	48	5	1	0	5	24	23	9	9	0	1	1	14	2	4	1	204	100
457.875	23	2	0	29	22	0	22	1	0	1	3	25	10	9	8	0	0	0	4	3	8	7	177	61
462.475	3	12	0	91	0	495	44	120	0	0	0	0	0	0	0	0	1	1	0	0	0	1	768	135
462.525	5	21	0	82	1	263	96	164	0	0	0	0	0	0	0	0	0	2	1	4	2	7	648	178
467.475	3	9	0	74	0	12	45	108	0	0	0	0	0	0	0	0	1	1	0	0	0	1	254	119
467.525	6	16	0	31	1	227	76	144	0	0	0	0	0	0	0	0	0	1	1	4	2	6	515	107
451.1625	0	23	0	71	1	5	59	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	180	130
451.1875	0	20	0	66	0	0	40	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	154	106

FREQ	IB	IF	IM	IP	IS	IT	IW	IX	IY	LA	LI	LJ	LR	LU	LV	LX	PF	PH	PL	PO	PP	PS	Total	IW, IP, LR
451.2125	0	11	0	44	0	1	37	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	121	81
451.2375	0	17	0	42	0	4	53	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	154	95
451.2625	0	18	0	42	0	0	35	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	119	77
451.2875	1	12	0	51	0	1	52	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	145	103
451.3625	1	16	0	52	0	0	30	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	128	82
451.3875	1	12	0	48	0	0	39	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	132	87
451.4125	0	9	0	49	0	0	38	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	128	87
451.4375	0	13	0	41	0	5	46	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	131	87
451.4625	0	14	0	51	0	4	23	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	119	74
451.4875	0	14	0	48	0	1	23	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	71
451.5125	0	35	0	38	0	1	32	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	129	70
451.5375	1	16	0	37	0	0	38	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122	75
451.5625	0	9	0	46	0	4	30	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	115	76
451.5875	1	14	0	38	0	1	32	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	114	70
451.6125	0	10	0	35	0	3	38	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106	73
451.6375	0	9	0	30	0	1	45	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113	75
451.6625	0	12	0	47	0	0	36	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	118	83
451.6875	0	14	0	35	0	1	47	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	121	82
451.7125	1	38	0	46	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98	46
451.7375	0	22	0	42	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	42
451.7625	1	33	0	43	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91	43
452.3125	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	4	1
452.3375	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	0	0	0	0	4	1
452.3625	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	3	0
452.3875	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	0	0	0	0	0	0	0	4	0
452.4125	0	0	0	0	0	0	0	0	0	0	1	0	1	1	2	0	0	0	0	0	0	0	5	0
452.4375	0	0	0	0	0	0	0	0	0	0	1	0	0	1	4	0	0	0	0	0	0	0	6	0
452.4625	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	2	0
452.4875	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	4	1
452.7625	1	0	0	1	0	0	0	0	0	0	1	6	19	2	5	0	0	0	0	0	0	0	35	20
452.7875	1	0	0	0	0	0	0	0	0	1	2	8	2	0	0	0	0	0	0	0	0	0	14	8
452.8125	0	0	0	0	0	0	1	0	0	0	3	3	2	3	0	0	0	0	0	0	0	0	12	4
452.8375	0	0	0	0	0	0	0	0	0	2	3	2	3	2	0	0	0	0	0	0	0	0	12	2
452.8625	1	0	0	0	0	0	0	0	0	0	5	12	0	2	0	0	0	0	0	0	0	0	20	12
452.8875	2	0	0	0	0	0	0	0	0	1	1	3	1	2	0	0	0	0	0	0	0	0	10	3
452.9625	0	0	0	0	0	0	0	10	0	0	0	4	0	0	0	0	0	0	0	0	0	0	14	4
456.1625	0	15	0	67	1	5	39	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	149	106
456.1875	0	18	0	55	0	0	28	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	131	83
456.2125	0	8	0	40	0	0	30	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110	70
456.2375	0	14	0	40	0	4	40	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	143	80
456.2625	1	16	0	40	0	0	37	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120	77
456.2875	1	11	0	50	0	1	34	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	129	84
456.3625	1	11	0	52	0	0	29	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	121	81
456.3875	1	14	0	51	0	0	35	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	140	86
456.4125	0	9	0	51	0	0	30	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	119	81
456.4375	0	13	0	43	0	5	27	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	119	70
456.4625	0	13	0	50	0	4	17	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	67
456.4875	0	16	0	49	0	1	23	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	72
456.5125	0	11	0	39	0	1	27	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	66
456.5375	0	14	0	33	0	0	29	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	62
456.5625	2	6	0	47	0	4	28	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	115	75