

RADIO STATION LICENSES  
TEMPORARY FIXED AND MOBILE  
RADIO FACILITIES

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1. GENERAL .....	1	1.01 This section contains information on radio station licenses issued by the Federal Communications Commission (FCC) to Pacific Company and Nevada Bell. These licenses provide for temporary facilities and permit the use of radio to establish routine and emergency communication facilities by Network or Engineering forces. Temporary service, as viewed by the FCC Common Carrier Bureau's Staff, is any common carrier service authorized by tariffs and supplied to a customer for a period <i>not exceeding six months</i> . Service to a customer in excess of six months is considered permanent. Licenses for permanent services are not covered by this section.
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- Point-to-point microwave radio (temporary fixed), including portable microwave repeaters
  - Rural radio service (fixed interoffice, central office or rural subscriber)
- (b) Telephone Company Communication Licenses
- Business radio (low-power radio, general communication)
  - Telephone maintenance radio (mobile and temporary base stations)
- (c) Telephone Company Testing Licenses
- Point-to-point microwave (developmental)
  - Domestic, public land, mobile radio service (developmental, for VHF and UHF)

### 2. COMMON CARRIER LICENSES

**2.01** Certain radio station authorizations issued under this allocation allow us to provide the public with temporary or emergency telephone communication service by use of radio. Others are used for television pickup. They apply when wirelines, cables, or permanent radio channels are not available or when other facilities are impractical to use.

**2.02** *Local Television Transmission Services:* These may be provided by use of microwave radio channels and are broken into two general classes, mobile and temporary fixed (see 21.806, 807 and 808 of the Commission Rules). Notices of operation are not required when operating mobile, but are required for temporary fixed operations of a local television transmission station. At present, telephone and data transmission cannot be provided using these radio channels.

**2.03** *Point-to-Point Microwave Licenses:* These licenses provide temporary radio relay systems for either video or telephone service. The nature of the radio equipment and the requirements for service will determine how these systems will be utilized (see Exhibits 1 and 2). We may provide

any service for which we have an applicable tariff and which does not require operations beyond the terms of the licenses. These licenses may not be used to provide services required for more than 6 months. See Section 21.708 of FCC rules.

**2.04** *Rural Radio Service Licenses:* These licenses may be used to furnish:

- (a) Temporary telephone trunk circuits between offices.
- (b) Service from central office to rural subscriber.
- (c) Private-line service (under some circumstances).

*Note:* Frequencies must be checked to ensure the correct ones are used for office or subscriber locations. Intermediate relay points require special authorization on a case-by-case basis.

**2.05** The above licenses, Point-to-Point and local TV transmission are covered by Part 21, domestic public land and Rural Radio are covered by Part 22. A list of current licenses to be used by Pacific Company and Nevada Bell are shown in Exhibit 6. It includes a reference to the appropriate FCC section and provides further guidelines to follow when these licenses are required.

**2.06** See sample Notification No. IV for guidelines on completing notices to the FCC. Also refer to Section 22.611 of the FCC Rules.

### 3. TELEPHONE COMPANY COMMUNICATION LICENSES

**3.01** *Business Radio Licenses:* These licenses allow us to operate low-power, hand-carried or "pack set" equipment. They are used primarily by construction and maintenance forces when working operations are not located near convenient telephones. They may be used by other departments for general communications when other means are not available. Communications established in this manner cannot be used for hire or by anyone other than Telephone Company personnel for telephone business. They will never be

arranged for customer or public use. Operating frequencies, however, are shared with other industrial users.

### 3.02 Telephone Maintenance Radio Licenses:

These are to be used by Operations and Engineering forces to perform their technical functions. They are also used to expedite restoration of facilities during emergencies. Administrative traffic, such as reporting time, is specifically prohibited.

3.03 Under the license for telephone maintenance radio at temporary locations, the Pacific Company is permitted to establish telephone maintenance base stations at temporary locations in California and in the States of Nevada and Oregon within 25 miles of the California border. When restoration of a microwave radio station is required, a temporary base could be established to communicate with telephone maintenance mobile units KE4530 or KE8636 operating in restoration vans or other vehicles. The Pacific Company stations may also communicate with mobile units of Nevada Bell and Pacific Northwest Bell Telephone Maintenance Systems. A similar temporary base-mobile configuration would apply for path loss tests or antenna line-ups. Communications between base stations is not permitted except as provided by Section 90.419 of the Commission Rules.

3.04 While notification to the Commission is not required, inform the Engineering Staff Manager, Southern or Northern California FCC Compliance Group, of any temporary stations which will be in operation for more than 60 days; only a certain number can be in operation at the same time. The FCC Compliance specialist will then inform the headquarters FCC group.

3.05 Station authorization and records shall be kept in compliance with Sections 90.437, 443, 445 and 447 of the Commission Rules. The original copies of the station log must be forwarded to the Engineering Staff Manager, Southern or Northern California FCC Compliance Group immediately upon termination of an operation. A copy should be retained by the area in which the service was furnished.

## 4. TELEPHONE COMPANY TESTING LICENSES

4.01 Each of the testing licenses issued to the Pacific Company is used to provide Network Engineering with specific information about a particular radio path or system. Frequency and type of service will determine which licenses will apply to the service to be considered.

4.02 It is the responsibility of the Engineer or other person in charge of testing to ensure that proper licenses, equipment, and procedures are used. Parts 21 and 22 of the Commission Rules will apply as shown in Exhibit 6. Any use of these licenses should be coordinated with the Compliance Specialist.

## 5. NOTICES TO THE COMMISSION AND ENGINEER-IN-CHARGE

5.01 It will be observed in Exhibit 6 that certain licenses require notification to the FCC prior to installation or operation of an authorized transmitter. Written notification must be given to the Commission in all cases. However, the requirements for notification vary with the FCC rule section being used. For reference they are divided into three general sections.

(a) *FCC Section 21.708*: Written notification must be given at least five days prior to installation or operation of equipment with an explanation for the use of facilities. This means the notice must be in the hands of the FCC in Washington, DC, on a working day at least five days prior to operation or installation. (Allow three days for mailed notices to reach the FCC.) When this five day notice cannot be met, a Western Union Telegram should be sent with a statement of the circumstances. Notices must be sent to the FCC Engineer-in-Charge of the district for which the operation is intended, the Commission in Washington, DC, and the Engineering Staff Manager, Headquarters — FCC Group. Persons noted in 5.03 (a) and (b) must also receive written copies of all notices. Questions on this procedure should be referred to the Compliance Specialist. Less than 5 days notice may be given under some circumstances, see Notification Procedures under 11.

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(b) *FCC Section 22.611*: Written notice must be given to all persons noted in (a) above. Notification must be given at least two days prior to the intended operation, but no explanation of the use of facilities need be made. No provision for less than 2-day notification is made in this FCC section.

(c) *FCC Section 21.806*: Notification must be given to the Engineer-in-Charge of FCC district prior to operation under 21.806.

**5.02** Notices to the Engineer-in-Charge are normally prepared for signature by either the field operating force or the Engineering Manager, Southern or Northern California FCC Compliance Group. The FCC Compliance Specialist should assist in the preparation of any notices other than those for routine television pickups. Great care must be taken in preparing and handling these notices since they reflect the methods we use in operating our radio stations. Only persons familiar with the appropriate FCC Rules should prepare a notice. The notice *must* be signed by a management person authorized to do so.

**5.03** A copy of each notice sent to the FCC by mail or telegram will be posted at the temporary fixed transmitter. Copies will also be sent to the persons listed below. Name and title should be shown on top of each recipient's copy. It is not necessary to list the other names on all copies.

(a) Engineering Staff Manager, Headquarters — FCC Group, 140 New Montgomery Street, Room 329, San Francisco, CA 94105.

*Note*: This copy must be sent at the same time and by the same method as the FCC notification.

(b) Engineering Manager, Southern or Northern California FCC Compliance Group in the originating area.

*Note*: Additional copies may be supplied if required by local instructions.

### 6. LOCATION OF ORIGINAL LICENSES

**6.01** For Pacific Company licenses, the original licenses are now retained at Headquarters FCC Group, 140 New Montgomery Street, Room 329, San Francisco, CA 94105 (not in the archives).

**6.02** Where a transmitter is operated on an unattended basis, a copy of notification to the FCC must be posted with the transmitter.

### 7. STATION LOGS AND MAINTENANCE

**7.01** A complete station operating log must be established and maintained for each instance of operation under licenses described in Exhibit 6. For specific questions on requirements, check the appropriate license and FCC section. Questions requiring special interpretation should be referred to the FCC Compliance Specialist.

**7.02** The records location for temporary licenses is at the point where the original license is posted or filed, unless otherwise noted in the station records. There are two options that can be used.

(a) The *original* copies of the station logs on transmitter records are to be forwarded to the Headquarters — FCC group for filing with the original of the station license for Pacific Company stations. Nevada Bell originals are kept at the office of the Engineering Manager in Reno, Nevada. A copy of these logs shall be retained by the area in which the service was furnished. This retention period is one year, unless otherwise specified as in Sections 21.208 and 22.208.

(b) If the originals are to be kept in the area, they must send a list of the locations where these originals are filed to the addresses shown in (a) above. This list must be kept current to fulfill the requirement of Section 21.200 and 22.200 of the FCC Rules.

**7.03** Employees holding first or second-class radio licenses are responsible for establishing and maintaining all radio transmitters. Only the requirements for operating transmitters during the period of service are given in Exhibit 6.

### 8. GENERAL OPERATING RESPONSIBILITIES

**8.01** It is the responsibility of operating personnel to see that the operation and installation of the radio equipment follows the specifications for the job before the in-service period begins.

Any equipment installed must agree with the specifications in the FCC authorization and in any notice given to the FCC in the following areas:

- (a) Operating frequency, type of emission, and power output must agree with license statements.
- (b) Type-accepted equipment must agree with specifications on the license.
- (c) Geographical location of equipment and correct antenna details must agree with notice statements.

**8.02** Operating personnel must post FCC authorizations (licenses, construction permits, notices of operation or special telegraphic notices) where provided for by the FCC Rules. The proper license must be used for the particular class of service desired.

**8.03** *Special License Conditions:* FCC Rules and Regulations pertaining to a particular service must be observed. Any special conditions stated on the license must not be overlooked during operation of authorized transmitters. Examples of this are frequency sharing and limitations governing operations in certain areas.

## 9. RURAL RADIO TEMPORARY-FIXED

**9.01** *Description of Service:* Rural Radio Service as discussed in this section is for temporary service (up to six months) and is governed by Sections 22.601 through 22.611 of the Commission Rules. Any permanent service (over six months operation) must be covered by a construction permit and station license for that service. Temporary Fixed Rural Radio Service may be furnished where the establishment of land-line central office station facilities is shown to be impractical or economically unrealistic.

**9.02** *Station Authorizations:* The original copies of the station licenses are kept in San Francisco for Pacific Company licenses. Nevada Bell station licenses are kept at the office of the Engineering Manager in Reno, Nevada.

- (a) A direct copy (Xerox, photostat, etc) of this station license must be posted at the rural station, control terminal (G2, H, etc), and mobile shop.

- (b) A copy of the "Notice of Proposed Operation of Rural Station" must be kept with the station licenses. [See Part 22 of the Commission Rules. See sample FCC Notification IV.]

- (c) Filing of these notices will normally be done by the Network Services (Engineering in Nevada) Department.

*Note:* Close coordination of all operations, Field and Network Engineering, is essential in adjoining areas where the base station and the rural stations are split between two areas.

### 9.03 *Antenna Height and Type:*

- (a) The antenna height employed at any location shall not exceed the criteria set forth in FCC Part 17 of the Commission Rules.

- (b) Stations in this service shall employ a directional antenna adjusted with the center of the major lobe of radiation in the horizontal plane directed toward the receiving station to which it communicates. (See FCC Section 22.108.) Proper antenna polarization specified by the FCC Rules shall be used.

### 9.04 *Logs and Records Locations:*

- (a) Transmitter Maintenance Log originals, Form E 3744, should be sent to the mobile maintenance shop performing the tests or routine work; a copy of Form E 3744 should remain with the station log at the transmitter site.

- (b) Station records shall be kept in accordance with FCC Section 22.208.

**9.05** *Operator Requirements:* Operation of the rural subscriber station is governed by Section 22.205(H) of the Commission Rules.

## 10. EMERGENCY PROCEDURES

**10.01** During business hours, call the following people in the prescribed order:

- (a) FCC Compliance Coordinator.
- (b) FCC Compliance Specialist.
- (c) Engineering Staff Manager, Headquarters — FCC Group.

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**10.02** During out-of-business hours, call the following people in the prescribed order:

- (a) FCC Compliance Coordinator.
- (b) FCC Compliance Specialist.
- (c) Headquarters FCC Compliance Specialists.
- (d) Member of Headquarters FCC Group.
- (e) AT&T FCC Group.
- (f) FCC Watch Officer, Washington DC.

**10.03** Do not operate any Radio Equipment in a manner not in accordance with an outstanding license unless specific authorization has been obtained. During business hours this authorization will normally be obtained by the FCC Compliance Specialist through the Headquarters FCC Group. Out of business hours, if none of the persons listed in 10.01 can be reached and there is an emergency situation involving imminent danger to life or property requiring the emergency Radio Station Operation the watch officer at the FCC Washington, DC Office must be contacted and verbal authorization obtained prior to such operation.

**10.04** In the event that the FCC watch officer is contacted, advise the persons listed in 10.01 at the earliest possible moment. Keep accurate notes of all particulars including times and people involved. A written confirmation of the oral request signed by an officer or duly authorized employee of the company is required to be sent to the FCC promptly, normally on the first business day following. A copy must be sent at the same time and by the same method as the FCC notification to the Engineering Staff Manager, Headquarters — FCC Group.

### 11. NOTIFICATION PROCEDURES

**11.01** The following paragraphs describe notification procedures to follow for establishing licensed services. Refer to the sample FCC Notifications No. I, II, III, and V which have been completed for Point-to-Point Microwave Services KME49 and KOE86 (Exhibits 1, 2, 3 and 5).

**11.02** Notifications to the FCC in Washington, DC, shall be sent 1st class mail to meet the 5-day prior notice requirement specified in the Rules. The notice must reach the FCC in Washington, DC, on a working day at least 5 days (2 days for rural radio) before operation or installation is proposed. Allow 3 days for 1st class mail to reach the FCC. Lesser prior notice may be given when such lesser notice period can be supported by facts showing the circumstances justifying the lesser notice. Such a written notice *must* reach the FCC Washington office on a working day *prior* to start of operation. When this requirement cannot be met by mail, the notification shall be sent via Western Union.

**11.03** The type of notice will be determined by the amount of time before the notice will reach the FCC in Washington, DC. A W.U. Mailgram shall provide all pertinent information normally included in a mailed notice. *Do not* use TWX. If the Mailgram will not reach the FCC in Washington, DC, at least 5 days before an operation is proposed, explain the reason in the Mailgram. Also have a copy sent to the addresses shown in 5.03.

**11.04** Eight days shall be allowed to meet the notification requirement (use 1st class mail service to FCC in Washington, DC). For rural radio, the notice must reach the FCC at least 2 days before operation. Allow necessary days for 1st class mail. For extension of the operating period, the notice should be sent at least eight days in advance of the old termination date. (Late notice rules also apply.) For "same day" operation, the telegram must be sent before operation is commenced.

**11.05** Notifications to the FCC Engineer-in-Charge of the appropriate Radio sector(s) shall be mailed, telegraphed, or delivered, as appropriate, to meet the requirements of the Rules. When notifications are mailed, it is not necessary to register or certify them.

**11.06** When notifications are sent via Western Union, prepare regular notifications as soon as possible for persons covered in 5.03 (a) and (b). At the bottom of these copies add a note such as: "FCC notified by Western Union on 1-3-79, 4:30 P.M." The notices shall provide the same information shown on the telegram.

11.07 A given notification may cover facilities provided for different customers which both operate from a common location and receive the same service. If this operation applies, the explanation provided shall so indicate. Do not combine unrelated operations on the same notice. A single service to a single customer should be covered by *one* notice, even though two or more areas are involved. However, Pacific Company and Nevada Bell operations *must* be on separate notices.

11.08 When plant protection facilities are provided for a given service, no special mention of this is required, since the explanation for the customer's service provides sufficient information.

11.09 The Compliance Specialist shall obtain clearance from Headquarters — FCC Group, San Francisco, prior to sending any notice covering an operation which *might* exceed four months.

11.10 Services which are initially known to be required longer than six months shall not be provided using a temporary license.

11.11 *Telephone Company abbreviations and nomenclature should not be used when preparing FCC notices. These notices are directed to persons not familiar with Telephone Company terminology.*

11.12 Notifications normally shall not be dated and forwarded earlier than two weeks before the start of services. An exception may be made when a considerable amount of time is required to set up facilities (eg, for a large convention, etc). In such cases, the explanation provided on the notification should bring out the facts.

11.13 Where service operation involves one location for more than 60 days, notify the FCC Compliance Specialist. The office preparing the notification must retain file copies for at least one calendar year, since these are part of the station records and are governed by Sections 21.208 and 22.208 of the FCC rules.

11.14 Point-to-point microwave notices showing more than 90 days service shall contain an explanation as to why an application should not be made for regular authorization.

11.15 When a frequency change is required, the FCC should be notified at least 5 days before the transmitter is placed in service on the new frequency. It may be necessary to notify the FCC via Western Union. (See Exhibit 5A, sample FCC Notification No. V.) Detailed reasons for the frequency change must be noted in the log. If the reason for the change given to the FCC states "Interference," the FCC may request the station log and full particulars. Clearance for the new frequencies should be cleared through the Engineering Frequency Coordinator for that area. The notice must state the date that the frequency is to be changed, as well as the old and new frequencies.

11.16 Notifications to the FCC are required as shown in Exhibit 6, Column 4. When preparing these FCC notifications, if exceptional circumstances are involved, discuss the procedure with the FCC Compliance Specialist before sending the notice. No operations can take place prior to receipt of the notice by the FCC.

11.17 If a service to a customer involves transmitter locations in two or more Telephone Company sectors under one call sign there will only be *one* notice sent from *one* sector. Close coordination on this type of service is essential. However, Nevada Bell and Pacific Company must send separate notices. Service is provided under one call sign (see Exhibit 1).

11.18 When it becomes necessary to supplement a notice to the Commission, the reference to our first notice cannot be the file number only, such as 69-015. The "from" and "to" plus the date of the notice and operating particulars must be stated in the supplement. This will prevent the Commission from correcting the wrong notice (eg, two notices sent on the same date with the same file numbers from two different areas). It will allow positive identification of the proper notice.

11.19 A notice that involves the diplexing of existing point-to-point microwave facilities must have the appropriate "Note" on the notice, and must be cleared through the FCC Compliance Specialist before it is sent.

11.20 Where temporary antennas are to be located on existing antenna structures or

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antenna platforms, a "Note" is required on the notice to the FCC. All such installations must also be cleared through the FCC Compliance Specialist.

11.21 Obtain permission from FCC Compliance Specialist before using wave guide runs.

### 12. DESCRIPTION OF ENTRIES ON SAMPLE FCC NOTIFICATIONS NO. I AND II

12.01 The following items clarify the entries to be made on sample FCC Notifications No. I and II, Exhibits 1 and 2. (Callouts are used to cross-reference the information to the exhibits.)

- 1 Use letterheads for FCC copies only.
- 2 Address as shown the copies to be provided for persons noted in 5.03.
- 3 Enter a Ref. No. indicating the year and notification number (ie, the first, second, etc).
- 4 Provide both FCC addresses on all copies. Place an arrow on the original notice to indicate that it is for the FCC in Washington, DC; similarly, use an arrow to indicate the copy that is to be sent to Engineer-in-Charge.
- 5 Under this class of service show: NOTICE OF PROPOSED OPERATION OF POINT-TO-POINT MICROWAVE FIXED STATION KOA86 (for Nevada), KME49 (for California) AT TEMPORARY LOCATIONS.
- 6 Show street address if there is one. Coordinates need not be shown when there is a definite location (eg, Angel Peak, 7 miles NE of Mt. Charlesters, Nevada, site of Point-to-Point Microwave Station KOPXX).
- 7 If there is no transmitter maintenance center involved, enter "At transmitter."
- 8 Normally, the correspondent must be a common carrier. This is usually Pacific Company or Nevada Bell. In such cases show the word "Licensee" as the correspondent. When this is not the case, notify the Area Compliance Specialist prior to establishing service or sending notice.

- 9 Check to see that frequency of operation agrees with the frequencies shown in Exhibit 6, Column 5.

*Note:* Band-edge frequencies shall be avoided (ie, one-half of the emission designator plus frequency tolerance as shown in the Type Acceptance List for that transmitter).

- 10 Select starting date to allow time for lineup and tests prior to actual service. The period shown shall be governed by the following:
  - a. Continuous service applies when service is provided certain hours of each day. (Transmitter is to be left running for continuous operation.) Indicate the entire period when it is known that facilities are to be provided for less than six months.
  - b. Occasional service applies when operation is required on certain hours of each day. (Transmitter is to be left running for continuous operation.) Indicate the entire period when it is known to be less than six months.
  - c. Occasional service can apply when operation is required on a certain day or days each week where the transmitter is running only on service days. Show actual dates that the service is furnished to the customer. One notice should cover a period of operation of no more than six weeks. Supplemental notifications should be prepared at proper intervals to cover additional periods of no greater duration than six weeks. If dates are added, changed, or service is to be discontinued, a supplemental notification will be necessary with a suitable explanation. Supplemental notices can also include an additional six weeks period if required. But, under no circumstances, can the accumulative time be more than 6 months.
  - d. Continuous or occasional service can be ordered until further notice, (but *not* to exceed 6 months under any circumstances), or where no definite commitment can be obtained regarding length of service. The period reported shall be as appropriate and as outlined in a, b, or c above. Do not use "Until further notice" as an ending date.

*Note:* When any temporary service will exceed four months, notify the FCC Compliance Specialist. The FCC should be notified promptly in any case where service terminates prior to the termination date shown in the notice dates. This must be done no later than the first working day following the early termination date.

- 11 Provide a suitable explanation when a previous notification requires correction.

For example: "This notification supplements prior notification dated May 27, 1979, Ref. No. 79:020, to indicate a change in ending date of operation from 6/14/79 to that shown above. This change is due to customer canceling service for 6/13 and 6/14/79." The details of the change being made must be shown.

- 12 Explain the reason for operations in a brief narrative.

For example: "This operation will be used to provide a portion of the video program transmission facility for the California Beauty Pageant". Or, "This operation will be used to provide a portion of the video program transmission facilities from the Alpha Theater in Santa Monica, California (State must be shown unless these are shown as XMTR and RCVR locations), to the NBC studio in Hollywood."

- 13 Provide a brief explanation when a notification is late.

For example: "Less than 5 days notification given because of late receipt of the order for service." When a 1st class mail notice would not reach the FCC prior to operation, a Western Union notice must be given. Notice must be given to operation in every case. Specify that the telegram must be delivered.

*Note:* Information sent on a telegram should be the same as would be sent on either sample FCC Notification No. I or No. II.

- 14 When preparing KME49 or KOE86 notices, show the transmitting equipment manufacturer, type, power output in watts and the number of transmitters as illustrated in sample

FCC Notification No. I or No. II (Exhibits 1 and 2), and sample telegraphic notice No. V (Exhibit 5A).

- 15 Have the notifications checked and signed by a supervisor who knows the current FCC Rules for this class of service.

- 16 Show address of location where the notification is originated and the file copy is retained.

- 17 Notification of operations to be conducted within the coordination distance contours of an earth station must include a statement showing compliance with the provisions of FCC Rule Section 21.706 (c). The statement must show that harmful interference will not result to or from the earth station operations.

*Note:* The exact wording of the statement will depend on the particular circumstance in each case. The statement for any given path *must* be cleared by the FCC Compliance Specialist and the Engineering Frequency Coordinator prior to sending the notice.

### 13. DESCRIPTION OF ENTRIES ON SAMPLE FCC NOTIFICATION NO. III

13.01 The following items clarify entries to be made on sample FCC Notification No. III, Exhibit 3. (Callouts are used to cross-reference the information to the exhibit.)

- 1 Use letterheads on all copies.
- 2 Enter date notice is made out.
- 3 Provide both FCC addresses on all copies. Place an arrow on the original notice to indicate that it is for the FCC Washington, DC; similarly, use an arrow to indicate the copy that is to be sent to Engineer-in-Charge.
- 4 Under this class of service show: (DEVELOPMENTAL) TEMPORARY FIXED STATION KMQ44 or KPF80.
- 5 Use coordinates and locations when a radio site has no definite address. Also, distances and direction from a city or town, or at a known radio site may be used.

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- 6 The notice should show the maintenance location for the transmitter (formerly: Alarm Center Location). If the operation is attended, the location can be shown: "attended location same as transmitter."
  - 7 Check to see that the correspondent is a telephone common carrier; normally this is Pacific Company or Nevada Bell.
  - 8 Use frequencies that agree with the frequencies shown in Exhibit 6, Column 5 for the license used.
  - 9 For the period shown, allow necessary time to set up, test and perform the survey work or other Engineering aspects required (eg, antenna precision alignment, path loss, etc).
  - 10 Briefly explain tests to be performed.
  - 11 If there are unusual circumstances, requiring an entry as to the office or persons responsible for the tests contact the FCC Compliance Specialist for the appropriate entry.
  - 12 Have notifications originated by the Engineering Manager, Southern or Northern California FCC Compliance Group.
  - 13 Do not show the distribution list on originals or on the copy sent to FCC. Enter the local distribution list only plus those shown in 5.03.
  - 14 When preparing notices, show the transmitting equipment manufacturer, type, power output in watts and the number of transmitters as illustrated in sample FCC Notification No. III (Exhibits 3). Equipment must be authorized but not necessarily Type Accepted.
- 14. DESCRIPTION OF ENTRIES ON SAMPLE FCC NOTIFICATION NO. IV**
- 14.01** The following items clarify the entries to be made on sample FCC Notification No. IV, Exhibit 4. (Callouts are used to cross-reference the information to the exhibit.)
- 1 Use letterheads on all copies.
  - 2 Enter address of originating office.
  - 3 Enter date notice is made out.
  - 4 Provide both FCC addresses on all copies. Place an arrow on the notices to indicate that it is for the FCC Washington, DC; similarly, use an arrow to indicate the copy to be sent to the Engineer-in-Charge.
  - 5 Make this entry to identify the type of rural service to be furnished (ie, rural subscriber, central office or interoffice) and the correct call sign of the authorization furnishing the service.
  - 6 Use coordinates or description of location when a radio site has no definite address. (Example: Emerald Bay 2.5 miles west of the Isthmus Santa Catalina Island, California, or Santa Catalina Island, California LAT 33 27 98 N — LONG. 118 31 67 W.).
  - 7 Enter "At transmitter" as the control point for rural service.
  - 8 Enter the base station call sign and address and/or the coordinates for same as the location of the receiving equipment in the case of a rural subscriber. See FCC, Section 22.606, 22.611 (3).
  - 9 Enter frequency or frequencies as those of the rural transmitter in accordance with Sections 22.601 and 22.611 (a) (4).
  - 10 Select starting dates to allow time for lineup and tests prior to actual service. The period shall be governed by the following:
    - a. Testing period for antenna orientation, call-through, dial tests, etc.
    - b. Customer service date requested.
- Note:* Ending dates shall be strictly observed. Any change of ending date shall be reported to the FCC and to all persons and stations which receive the original notice; it shall be sent as soon as possible, a Western Union Telegram is not required in this case. See Section 22.611 (5 and 6) of the Commission Rules.

- 11 Provide a suitable explanation when a previous notification requires correction. The information being changed must be shown specifically (ie, date from \_\_\_\_\_ to \_\_\_\_\_ etc).
- 12 Have notifications checked and/or signed by the FCC Compliance Specialist.
- 13 Do not show the distribution list on the original or the copy sent to FCC. Enter the local distribution list only plus those shown in 5.03.

**1** PACIFIC TELEPHONE

Los Angeles, June 6, 1979

**3** Ref. No. 79:020-1

**4** Federal Communications Commission  
Washington D.C. 20554

Engineer In Charge  
Federal Communications Commission, 11th Radio District  
3711 Long Beach Blvd., Rm. 501, Long Beach, California 90807

**5** NOTICE OF PROPOSED OPERATION OF  
POINT-TO-POINT MICROWAVE FIXED STATION KME49  
AT TEMPORARY LOCATIONS

<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	
<u>Locations of Transmitting Equipment</u>	<u>Maintenance Location of the Transmitter</u>	<u>Locations of Receiving Stations And Correspondents</u>	<u>Freq. MC.</u>	<u>Beginning</u>	<u>Ending</u>
Beverly Hilton Hotel 9876 Wilshire Blvd. Los Angeles, Calif.	Same as Transmitter	Baldwin Hills Los Angeles, Calif. Site of Point-to-Point Microwave Station KNM41	10723	6-3-79	6-12-79 Inclusive
Baldwin Hills Los Angeles, Calif. Site of Point-to-Point Microwave Station KNM41	Same as Transmitter	Ambassador Hotel 3400 Wilshire Blvd. Los Angeles, Calif.	10873	6-3-79	6-12-79 Inclusive

LICENSEE

**11** This notification supplements prior notification dated May 27, 1979, Ref. #68:020 to indicate a change in ending date of operation from 6-14-79 to that shown above. This change is due to customer cancelling service for 6/13 and 6/14/79.

**12** This operation provided a part of the video program transmission facilities in connection with telecast of the California Beauty Pageant.

**14** Transmitting Equipment

<b>14</b>	<u>Manufacturer</u>	<u>Type</u>	<u>Power Output Watts</u>	<u>Number of Transmitters</u>
	Raytheon	KTR 100 H	0.1	2

THE PACIFIC TELEPHONE AND TELEGRAPH COMPANY

**15** BY Sample  
For Division Manager (Toll)

**16** Address 1429 North Gower St., Room 611  
Los Angeles, California 90028

**2** cc:  
Engineering Staff Manager, Headquarters FCC Group  
Engineering Manager, Southern California FCC Compliance Group  
TV Field Forces and one copy for each transmitter

1 PACIFIC TELEPHONE

Los Angeles, May 26, 1979

3 Ref. No. 79:019 Page 1 of 2

4 Federal Communications Commission  
Washington, D.C. 20554

Engineer In Charge  
Federal Communications Commission, 11th Radio District  
3711 Long Beach Blvd., Rm. 501, Long Beach, California 90807

5 NOTICE OF PROPOSED OPERATION OF  
POINT-TO-POINT MICROWAVE FIXED STATION KME49  
AT TEMPORARY LOCATIONS

6 Location of Transmitting Equipment	7 Maintenance Location of the Transmitter	8 Locations of Receiving Stations And Correspondents	9 Freq. MC.	10 Dates of Operation Beginning      Ending	
Mount Wilson Calif. Site of Point-to- Point Microwave Station KMB68	Same as Transmitter	National Broadcasting Company 3000 West Alameda Burbank, Calif.	5962.5 6037.5	6-1-79	6-6-79 Inclusive
Baldwin Hills Los Angeles, Calif. Site of Point-to- Point Microwave Station KNM41	Same as Transmitter	1429 N. Gower St. Los Angeles, Calif. Site of Point-to- Point Microwave Station KMA40	5937.5 6087.5	6-1-79	6-6-79 Inclusive
		Beverly Hilton Hotel 9876 Wilshire Blvd. Los Angeles, Calif.	6062.5 6137.5	6-1-79	6-6-79 Inclusive
		Ambassador Hotel 3400 Wilshire Blvd. Los Angeles, Calif.	6112.5 10773	6-1-79	6-6-79 Inclusive

LICENSEE

Sample FCC Notification No. II  
(Page 1 of 2)  
Exhibit 2A

PACIFIC TELEPHONE

Los Angeles, May 26, 1979

Ref. No. 79:019 Page 2 of 2

<u>Locations of Transmitting Equipment</u>	<u>Maintenance Location of the Transmitter</u>	<u>Locations of Receiving Stations And Correspondents</u>	<u>Freq. MC.</u>	<u>Dates of Operation Beginning</u>	<u>Ending</u>
----------------------------------------------------	--------------------------------------------------------	-------------------------------------------------------------------	----------------------	---------------------------------------------	---------------

11

12 This operation will be used to provide a portion of the video program transmission facility for the California Beauty Pageant.

13 Less than 5 days notification given because of late receipt of the order for service.

17 With reference to section 21.706 (c), a determination has been made that no harmful interference from earth stations will result to the proposed operation. (Exact wording will depend on frequencies used. Earth stations can cause interference to 6 GHz operations. 4 GHz operations can cause interference to Earth stations)

14 Transmitting Equipment

14 <u>Manufacturer</u>	<u>Type</u>	<u>Power Output Watts</u>	<u>Number of Transmitters</u>
RCA	TVT 1A	1.0	2
RCA	TVT 1BX	1.0	1
RCA	TVT 1CXF	1.0	2
Western Electric	TL-2	0.5	2
Raytheon	KTR 100H	0.1	1

THE PACIFIC TELEPHONE AND TELEGRAPH COMPANY

15 BY Sample  
For Division Manager (Toll)

16 Address 1429 North Gower St., Room 611  
Los Angeles, California 90028

2 cc:  
Engineering Staff Manager, Headquarters FCC Group  
Engineering Manager, Southern California FCC Compliance Group  
TV Field Forces and one copy for each transmitter

1 PACIFIC TELEPHONE

2 Los Angeles, April 7, 1979

3 Federal Communications Commission

Washington, D.C., 20554

Engineer-in-Charge  
 11th Radio District  
 U.S. Court House  
 3711 Long Beach Blvd., Rm. 501,  
 Long Beach, California 90807

4 NOTICE OF PROPOSED OPERATION OF POINT-TO-POINT MICROWAVE RADIO  
 (DEVELOPMENTAL) TEMPORARY FIXED STATION KMQ44

5 <u>Transmitter Location</u>	6 <u>Maintenance Location of the Transmitter</u>	7 <u>Receiver Location and Correspondent</u>	8 <u>Freq. Mc/s</u>	9 <u>Operating Period</u> Starting      Ending	
434 South Grand Avenue, Los Angeles, California (Site of Point-to-Point Microwave Station KMA38) The Pac. Tel. & Tel. Co.	Same as transmitter	Corona del Mar, 3.5 miles East of Corona del Mar (Orange) California (Site of Point-to-Point Microwave Station KNL78)	4194	4-15-79	5-15-79
Corona del Mar, 3.5 miles East of Corona del Mar (Orange) California (Site of Point-to-Point Microwave Station KNL78)	Same as transmitter	434 South Grand Avenue, Los Angeles, California (Site of Point-to-Point Microwave Station KMA38) The Pac. Tel. & Tel. Co.	4194	4-15-79	5-15-79

10 This intermittent attended operation is for alignment of antennas at the above referenced stations. 11

14 Transmitting Equipment

14 <u>Manufacturer</u>	<u>Type</u>	<u>Power Output Watts</u>	<u>Number of Transmitters</u>
12 Western Electric Company	TE-T2	0.316	2

THE PACIFIC TELEPHONE AND TELEGRAPH COMPANY

BY Sample  
 (Use Appropriate Title)

13 EEL:pm

SECTION 400-100-901PT

1 PACIFIC TELEPHONE

2

611 Wilshire Boulevard  
Los Angeles, California 90055

3

June 4, 1979

4

Federal Communications Commission  
Washington, D.C. 20554

Federal Communications Commission  
Engineer-in-Charge  
U.S. Court House  
3711 Long Beach Blvd.  
Long Beach, California 90807

5

NOTICE OF PROPOSED OPERATION  
RURAL SUBSCRIBER-FIXED RADIO STATION KMX54  
AT TEMPORARY LOCATION

6

Location of  
Transmitting  
Equipment

7

Location of  
Control Point

8

Location of  
Receiving  
Equipment

9

Freq.  
Mc/s

10

Dates of  
Operation  
Start End

(or)	Emerald Bay 2.5 miles west of the Isthmus	Same as Transmitter	Domestic Public Land Mobile Station KMA400 Base Station 2.6 Mi. NNE Burbank California	157.83 158.04	6-15-79	9-9-79
	Santa Catalina Island, California					
	Santa Catalina Island, California Lat.: 33 27 98 N Long.: 118 31 67 W					

[See Par. 14.01 (f).]

11

12 THE PACIFIC TELEPHONE AND TELEGRAPH COMPANY

By Sample  
(Use Appropriate Title)

13



# Telegram

NO. WDS.—CL. OF SVC.	PD. OR COLL.	CASH NO.	CHARGE TO THE ACCOUNT OF	<input type="checkbox"/> OVER NIGHT TELEGRAM UNLESS BOX ABOVE IS CHECKED THIS MESSAGE WILL BE SENT AS A TELEGRAM

Send the following message, subject to the terms on back hereof, which are hereby agreed to

1156P PDT SEP 7 79 LLB014  
 SSJ011 L HDA183 PD HD HOLLYWOOD CALIF 7 835P PDT  
 ENGINEERING STAFF MANAGER  
 140 NEW MONTGOMERY, ROOM 329  
 SAN FRANCISCO, CA 94105  
 DATE SEPTEMBER 7, 1979 REF: 79:027 NOTICE OF PROPOSED OPERATION OF POINT-TO-POINT MICROWAVE FIXED STATION KME49 AT TEMPORARY LOCATIONS. LOCATION OF TRANSMITTING EQUIPMENT: OAT MOUNTAIN SITE OF POINT-TO-POINT MICROWAVE STATION KMA37. LOCATION OF RECEIVING STATION: 22012 VANOWEN STREET, CANOGA PARK, CALIFORNIA FREQUENCY MHZ: 6312.5 LOCATION OF TRANSMITTING EQUIPMENT: 22012 VANOWEN STREET, CANOGA PARK CALIFORNIA LOCATION OF RECEIVING STATION: OAT MOUNTAIN SITE OF POINT-TO-POINT MICROWAVE STATION KMA37. FREQUENCY MHZ: 5987.5 LOCATION OF ALARM CENTERS: SAME AS TRANSMITTERS. OPERATION BEGINNING 9-7-79 ENDING 9-8-79 INCLUSIVE. CORRESPONDENT: LICENSEE.  
 THESE FACILITIES WILL BE USED AS PART OF AN EMERGENCY RESTORATION CIRCUIT BETWEEN OAT MOUNTAIN AND CANOGA PARK. LESS THAN 5 DAYS NOTICE GIVEN DUE TO EMERGENCY NATURE OF SERVICE. TRANSMITTING EQUIPMENT: MANUFACTURER RCA TYPE TVT 1BX POWER OUTPUT WATTS 1.0 NUMBER OF TRANSMITTERS 2.  
 A DETERMINATION HAS BEEN MADE THAT NO HARMFUL INTERFERENCE FROM EARTH STATIONS WILL RESULT TO THE PROPOSED OPERATION.  
 THE PACIFIC TELEPHONE AND TELEGRAPH COMPANY BY G VANDENBRINK FOR DIVISION PLANT MANAGER (TOLL) ADDRESS 1429 NO. GOWER STREET, ROOM 611 LOS ANGELES, CALIFORNIA 90028  
 7 1979 79:027 KME49 KMA37 22012 MC: 6312.5 22012 KMA37 MC: 5987.5 9-7-79 9-8-79 RCA TVT 1BX 1.0 2 1429 611 90028.

WU 1211 (R 5-69)

**Note:** Originator Should Specify That This Telegraph Must Be Delivered.

Sample FCC Notification No. V (1)  
 Exhibit 5A

SECTION 400-100-901PT

FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON, D.C. 20554

ENGINEER IN CHARGE  
FEDERAL COMMUNICATIONS COMMISSION, 11th RADIO DISTRICT  
312 NO. SPRING STREET, ROOM 1754  
LOS ANGELES, CALIFORNIA

ENGINEERING STAFF MANAGER, HEADQUARTERS FCC GROUP  
140 NEW MONTGOMERY STREET, ROOM 329  
SAN FRANCISCO, CALIFORNIA 94105

DATE: SEPTEMBER 6, 1979

REF: 79:027

ENGINEERING MANAGER, SOUTHERN CALIFORNIA FCC COMPLIANCE GROUP  
611 WILSHIRE BLVD., ROOM 201  
LOS ANGELES, CALIFORNIA

NOTICE OF PROPOSED OPERATIONS OF POINT-TO-POINT MICROWAVE FIXED STATION  
KME49 AT TEMPORARY LOCATIONS.

LOCATION OF TRANSMITTING EQUIPMENT: OAT MOUNTAIN, CALIFORNIA

SITE OF POINT-TO-POINT MICROWAVE STATION KMA37

LOCATION OF RECEIVING STATION: \_\_\_\_\_

22012 VANOWEN STREET, CANOGA PARK, CALIFORNIA

FREQUENCY MHZ: 6312.5

LOCATION OF TRANSMITTING EQUIPMENT: \_\_\_\_\_

22012 VANOWEN STREET, CANOGA PARK, CALIFORNIA

LOCATION OF RECEIVING STATION: OAT MOUNTAIN SITE OF STATION KMA37

FREQUENCY MHZ: 5987.5

LOCATION OF ALARM CENTERS: SAME AS TRANSMITTERS

OPERATION BEGINNING 9-7-79 ENDING 9-8-79 INCLUSIVE

CORRESPONDENT: LICENSEE

THESE FACILITIES WILL BE USED AS PART OF AN EMERGENCY RESTORATION  
CIRCUIT BETWEEN OAT MOUNTAIN AND CANOGA PARK. THIS IS REQUIRED  
BECAUSE OF BRUSH FIRE DAMAGE TO CABLE FACILITIES.

LATE NOTIFICATION DUE TO EMERGENCY NATURE OF SERVICE.

TRANSMITTING EQUIPMENT:  
MANUFACTURER      TYPE  
RCA                      TVT 1BX

POWER OUTPUT WATTS      NUMBER OF TRANSMITTERS  
1.0                                      2

F C C Notified by  
WESTERN UNION TELEGRAPH  
On 9-7-79 At 8:35 PM

THE PACIFIC TELEPHONE AND TELEGRAPH COMPANY

By Sample  
FOR DIVISION MANAGER (TOLL)

ADDRESS \_\_\_\_\_

## COMMON CARRIER LICENSES

1 Radio Station Call Signs	2 Nature of Service and Applicable FCC Rules	3 Class of Station	4 Notification to FCC Req'd. See Samples I & II	5 Authorized Frequency Band — MHz	6 Min. Commercial Operating Lic. Req'd. (For Opn. Only)	7 Use	8 Remarks
KA9451	Local Television Transmission (Part 21)	Mobile TV Pickup	No, Mobile Opn. Except Yes, Transborder Mobile or Fixed (see 21.214) Yes, Remote Control (see 21.806)	6425-6525 11700-12200	2nd class or higher (See 21.205)	Television transmission video pickup in California. May be used as "temporary fixed" if FCC is notified.	May be used only for television video operations and directly related com- munications. Notify the FCC Com- pliance Specialist prior to sending notices of operation if to be controlled remotely. Compliance Specialist should be notified prior to operation of (1) Remote control operation (2) Any operation which could be sub- sequently required beyond 6 months. (3) Any operation which might be re- placed by a permanent facility.
KME49	Point-to-Point Microwave Radio (Part 21)	Temporary Fixed	Yes, (see 21.708) Yes, Transborder (see 21.214)	2110-2130 2160-2180 3700-4200 5925-6425 10700-11700	2nd class or higher OPs to set up & test service by any authorized & competent person same as any other Point-to-Point Microwave Station	Temporary radio relay systems on local channel links for video, voice or telephone carrier trans- mission in California. Limit 6 months in any location. (See 21.807)	Notify the FCC Compliance Specialist prior to sending any notice of operations for service if it may exceed 3 months. This station cannot be used for services <i>known</i> to be required longer than 6 months. To obtain authority for trans- border, notify the FCC Compliance Specialist. This station can establish on a temporary basis to provide any service for which we have an applicable tariff and which can be rendered within the terms of the station authorization and applicable FCC Rules and Regulations. This station cannot be used in making tests or for training purposes. Special consideration shall be given to operations involving frequencies 2110-2120, 3700-4200 and 5925-5425. See Section 21.706 (c) and (d) of the Commission Rules.
KOE86	Point-to-Point Microwave Radio (Part 21)	Temporary Fixed	Yes, (see 21.708)	3700-4200 5925-6425	Same as KME49	Same as KME49 except for use in Nevada only	Same as KME49
WPF89	Point-to-Point Microwave Radio (Part 21)	Temporary Fixed	Use in excess of 72 hours Requires Notification	3700-4200	Same as KME49	To replace a regular channel transmitter during mainte- nance or failure of the regu- lar transmitter	Use of portable (PMR) equipment for purposes other than as specified by this license will be under KME49

*Note:* Long lines has a similar license: WPY 26, covering the use of Portable Microwave Repeaters.

Exhibit 6A

## COMMON CARRIER LICENSES

1	2	3	4	5	6	7	8
Radio Station Call Signs	Nature of Service and Applicable FCC Rules	Class of Station	Notification to FCC Req'd. See Sample IV	Authorized Frequency Band — MHz	After service is established Min. Commercial Operating Lic. Req'd. (For Opn. Only)	Use	Remarks
KMN96	Rural Radio Srv. (Part 22)	Interoffice-Fixed	Yes, (see 22.214 and 22.611)	Any non-interference to urban mobile service channel freq. [see 22.601 (a)]. Base & mobile frequency	None	For communications service to points where providing wire telephone facilities is not practical or for restoration of service disrupted by storm, flood, earthquake or other emergency. Must not interfere with existing general mobile service or regular rural radio service. Six months limit in any location in California. See FCC 22.606.	Notify the FCC Compliance Specialist prior to operation that may exceed 3 months or if equipment may be replaced by permanent facilities. Notify the FCC Compliance Specialist also to obtain authority for transborder operation. Repeater operation requires special authorization from FCC. Special antenna information see FCC 22.208, 109, 110.
KMX53	Rural Radio Srv. (Part 22)	Central Office-Fixed	Yes, (see 22.214 and 22.611)	Same as KMN96 except use base frequency only	None	Same as KMN96	Same as KMN96
KMX54	Rural Radio Srv. (Part 22)	Rural Subscriber-Fixed	Yes, (see 22.214 and 22.611)	Same as KMN96 except use mobile frequency only	None	Same as KMN96 except station can be operated through domestic public land.	Same as KMN96
KPH65	Rural Radio Srv. (Part 22)	Interoffice-Fixed	Yes, (see 22.611)	Same as KMN96	None	Same as KMN96 except for use in Nevada only.	Same as KMN96, except notification should be to Headquarters — FCC Group
KPH66	Rural Radio Srv. (Part 22)	Central Office-Fixed	Yes, (see 22.611)	Same as KMN96	None	Same as KMN96 except for use in Nevada only.	Same as KMN96 except notification should be to Headquarters — FCC Group
KPH67	Rural Radio Srv. (Part 22)	Rural Subscriber-Fixed	Yes, (see 22.611)	Same as KMN96	None	Same as KMN96 except for use in Nevada only.	Same as KMN96 except notification should be to Headquarters — FCC Group

## TELEPHONE COMPANY COMMUNICATION LICENSES

1 Radio Station Call Signs	2 Nature of Service and Applicable FCC Rules	3 Class of Station	4 Notification to FCC Req'd. See Sample	5 Authorized Frequency Band — MHz	6 Min. Commercial Operating Lic. Req'd. (For Opn. Only)	7 Use	8 Remarks
KA7549	Business Radio (Part 90)	Mobile	No	33.14	None	For general communications in California and Nevada. Fre- quency must be shared with other industrial users and power limit is 3 watts output.	See special restrictions in 90.75
KA7550	Business Radio (Part 90)	Mobile	No	33.14	None	Same as KA7549 except for use in Nevada only.	See special restrictions in 90.75
KE4530	Telephone Mtce. Radio (Part 90)	Mobile	No	35.16 43.16 151.985 158.34 451.30 456.30 456.35 456.40	None	For operations and engineer- ing use for day-to-day com- munications or as required for emergency use. Not for public or private use. Use in California.	See special limitations 90.81 (b)  Not for administrative use or non- technical use.
KE8636	Telephone Mtce. Radio (Part 90)	Mobile	No	43.16 158.34 35.16	None	Same as KE4530 except for use in Nevada only. See spe- cial instructions.	See special limitations 90.81 (b)  Not for administrative or non- technical use. See license for special limitations on 35.16 mc/s.
KFA338	Telephone Mtce. Radio (Part 90)	Temp. Base Station	No	35.16 151.985 451.30 451.35	None	Same as KE4530 except fixed. 1 year maximum at any tem- porary fixed location. Base station use only.	Base stations at temporary locations will primarily communicate with units authorized under mobile station KE4530 [see Section 90.419 (2)]. Notify the FCC Compliance Specialist whenever it is necessary to establish a base station.

## TELEPHONE COMPANY TESTING LICENSES

1 Radio Station Call Signs	2 Nature of Service and Applicable FCC Rules	3 Class of Station	4 Notification to FCC Req'd. See Sample III	5 Authorized Frequency Band — MHz	6 Min. Commercial Operating Lic. Req'd. (For Opn. Only)	7 Use	8 Remarks
KA4326	Domestic Public Land Radio Serv. (Part 22)	Developmental	No	35-43 152-158 454-459	2nd Class	Engineering surveys in Cali- fornia for domestic public land and rural radio systems.	Normally Engineering's use only. Developmental report required for renewal (see 22.406).
KD9271	Domestic Public Land Radio Serv. (Part 22)	Developmental	No	35-43 152-158 454-459	2nd Class	Same as KA4326 except for use in Nevada only.	Normally Engineering Manager's use only. Developmental report required for renewal (see 22.406).
KMQ44	Point-to-Point Microwave (Part 21)	Developmental	Yes, (see 21.214 and 21.708)	890-940 3700-4200 5925-6425 10700-11700	2nd Class	Engineering surveys in Cali- fornia for point-to-point microwave systems.	Normally Engineering Manager's use only. Developmental report required for renewal. Notify compliance specialist before operation.
KPF80	Point-to-Point Microwave (Part 21)	Developmental	Yes, (see 21.214 and 21.708)	3700-4200 3925-6425 10700-11700	2nd Class	Same as KMQ44 except for use in Nevada only.	Normally Engineering Manager's use only. Notify compliance specialist before operation.

Exhibit 6D