

Instructions for Schedule I Supplement 4 - Frequency Data

If the application purpose indicated on the FCC 601 Main Form is New, file as many Supplement 4's (Frequency Data) as necessary to describe all transmitters and frequencies associated with each transmission path represented by a Supplement 2 (Path Data). Frequency data for each transmission path must be listed on a separate Supplement 4 (refer to the instructions on Supplement 2 for information about entering and assigning paths and path numbers).

If the application purpose indicated on the FCC 601 Main Form is Amendment, Modification, or Renewal/Modification, complete as many Supplement 4's (Frequency Data) as necessary to describe all frequency data being amended, added, modified, or deleted. Transmitters and frequency data for each transmission path must be listed on a separate Supplement 4. If the proposed amendment or modification does not affect any transmitter or frequency data, it is not necessary to complete Supplement 4. Similarly, if the proposed amendment or modification changes transmitter or frequency data but does not affect any transmit path data, it is not necessary to complete Supplement 2.

Note: Deletion of a path using Supplement 2 (Path Data) will delete the entire path, including all the transmitters and frequencies on that path. Modification of a path using Supplement 2 (Path Data) will affect all transmitters and frequencies associated with that path.

Refer to Table 2 on pages 17 & 18 of these instructions for assistance in filling out Supplement 4. Table 2 indicates the fields and their values that are applicable for various path types.

Transmitter Location Information

This section identifies the transmit location and path for the listed transmitters and frequency data. Transmit location information is entered on Supplement 1 of Schedule I. Path data information is entered on Supplement 2 of Schedule I.

Item 1

Enter the transmit location name as entered in Item 5 of Supplement 1.

Item 2

Enter the path number, as entered in Item 2 of the corresponding Supplement 2 (Path Data). Paths are defined in the instructions for Supplement 2. Refer to those instructions for information about entering and assigning path numbers.

Frequency Information

This section must be completed only when frequencies or transmitters are to be added, modified, or deleted. If you are adding new frequencies, complete all items in this section for each frequency to be added. If you are modifying a frequency (*i.e.*, changing from one operating frequency to a different operating frequency), enter the existing and new frequencies in the appropriate boxes in Items 4 and 5. If you are modifying attributes of existing frequencies, in addition to Items 3, 4, and 5 (if applicable), complete only the items that have changed for each listed frequency. If you are deleting a frequency, only Items 3, 4, and 5 (if applicable) are required. Frequencies that are currently licensed under this call sign by the FCC will continue to be shown on the Authorization as is, unless a specific action is requested in this section.

Item 3 This item indicates the action the applicant wants the FCC to take on the specified frequency(ies). Enter 'A' for Add, 'M' for Modify, or 'D' for Delete.

RETURN TO FORM

Items 4 and 5

Enter one frequency or one frequency band per line (e.g., 952.00625 or 1990-2110, as listed in the rules). Enter frequencies in MHz. To request more than 4 frequencies or frequency bands on a given path, file multiple copies of Supplement 4.

To add frequencies on a path, enter the specific frequencies in Megahertz (MHz) in the box labeled 'New' in Item 4. If applying for a frequency band, show the lower and upper frequencies in the box labeled 'New' in Items 4 and 5.

To modify a frequency or frequency band on a path, enter the existing frequency or frequency band in Items 4 and 5 labeled 'Existing' and enter the new frequency or frequency band in Items 4 and 5 labeled 'New'.

Note: For Subfrequency operation of a Multiple Address System (MAS) (as entered in Item 3 on Schedule I), enter only the assignable center frequency of the 12.5 kHz or 25.0 kHz MAS channel requested, and explain the details of subfrequency use on a supplemental showing. For multiple contiguous 6 MHz channels in the 18142-18580 MHz band, enter the frequency band spanning from 3 MHz below the center frequency of the lowest assignable channel to 3 MHz above the center frequency of the highest assignable channel of each contiguous band of channels (e.g., if all 73 channels are desired, enter 18142-18580).

Note: For Broadcast Auxiliary applications, specify the requested channel by its center frequency for single channel operation or specify the specific frequency bands for band-wide operation. (For example, an application for an STL station operating in the 6875-7125 MHz band should list 6887.5 MHz for the first channel, while a TV Pickup could list 6875-7125 if requesting authority for all 10 channels.)

Item 6

Enter the tolerance or frequency stability (in percent) of the transmitter under the conditions in which it will be operated. Normally, this is the same as the type accepted/notification value.

Item 7

Enter the Effective Isotropic Radiated Power (EIRP), in dBm rounded to one decimal place, radiated off the transmitting antenna. For a periscope antenna system, this is the anticipated EIRP radiated off its reflector. If Automatic Transmitter Power Control transmitters are used, specify the maximum EIRP. Do not enter the coordinated or nominal transmit power.

Item 8

Enter the full emission designator of the transmitter. The following emission designators are assigned to the Nucomm equipment.

FREQUENCY	SYSTEM DESCRIPTION	EMISSION DESIGNATOR
7GHz	DUAL STREAM	25M0F9W
7GHz	DUAL STREAM	25M0F9W
7GHz	DUAL STREAM	25M0F9W
13GHz	DUAL STREAM	25M0F9W
13GHz	DUAL STREAM	25M0F9W
2GHz	V-STREAM	17M0D1W
2GHz	V-STREAM	17M0D1W
2GHz	V-STREAM	17M0D1W
7GHz	V-STREAM	25M0D1W
7GHz	V-STREAM	25M0D1W
7GHz	V-STREAM	25M0D1W
13GHz	V-STREAM	25M0D1W
13GHz	V-STREAM	25M0D1W
2GHZ	FT6/FR6	17M0F8W
2GHz	FT6/FR6	17M0F8W
2GHz	FT6/FR6	17M0F8W
7GHZ	FT6/FR6	25M0F8W
7GHz	FT6/FR6	25M0F8W

7GHz	FT6/FR6	25M0F8W
13GHz	FT6/FR6	25M0F8W
13GHz	FT6/FR6	25M0F8W

Item 9

For digital systems, enter the baseband digital rate in kbps (kilobits per second).

Item 10

For digital systems, enter the digital modulation type.

Item 11

Enter the transmitter manufacturer.

Item 12

Enter the transmitter model number.

Item 13

Automatic Transmitter Power Control (ATPC) is a feature that automatically adjusts transmitter output power based on path fading detected at the far-end receivers. Enter 'Y' or 'N' to indicate use of ATPC.