

FCC APPLICATIONS INFORMATION

FCC Form 601

The Moseley line of broadcast microwave links is FCC type verified for use in licensed Part 74 and Part 101 bands. It is the operator's responsibility to acquire proper authorization prior to radio operation. This is accomplished by submitting FCC 601 Main Form and Form 601 Schedule I.

The main form is 103 pages. However for the Microwave Broadcast Auxiliary Service, only the following sections apply:

- Form 601 Instructions (22 pages)
- Main Form 601 (4 pages)
- Schedule I Instructions (18 pages)
- Schedule I Form with supplements (5 pages)

Form FCC 601, Schedule I, is a supplementary schedule for use with the FCC Application for Wireless Telecommunications Bureau Radio Service Authorization, FCC 601 Main Form. This schedule is used to apply for an authorization to operate a radio station in the Fixed Microwave and Microwave Broadcast Auxiliary Services, as defined in 47 CFR, Parts 101 and 74. The FCC 601 Main Form must be filed in conjunction with this schedule. The forms may be found online:

FCC 601 Main Form

<http://www.fcc.gov/Forms/Form601/601.pdf>

FCC 601 Schedule I Form for Fixed Microwave and Microwave Broadcast Auxiliary Services

<http://www.fcc.gov/Forms/Form601/601i.pdf>

The data that follows intended to assist the user in completing the required information in Form 601, Schedule I, Supplement 4 where the radio-specific information is required.

1. Starlink SL9003Q & Digital Composite - 950 MHz Band

The Starlink SL9003Q and Digital Composite operate as Studio-Transmitter Links (STL) in the Part 74 frequency band of 944-952 MHz.

Form 601, Schedule I, Supplement 4 Information:

<u>Item</u>	<u>Description</u>	<u>Entry for FCC 601 Sched. I, Supp. 4</u>
4	Lower or Center Frequency (MHz)	Enter the assigned frequency in (MHz)
5	Upper Frequency (MHz)	Not Applicable
6	Frequency Tolerance (%)	.0001%
7	Effective Isotropic Radiated Power (dBm)	(+31 dBm + Tx ant. gain – Tx cable loss + 2.15)
8	Emission Designator	500KD7W
9	Digital Modulation Rate (Mbps)	2432 kbps max; refer to shipping test data
10	Digital Modulation Type	16/32/64 QAM, refer to shipping test data
11	Transmitter Manufacturer	Moseley Associates, Inc.
12	Transmitter Model	SL9003Q
13	Automatic Tx Power Control	No

2. DTV Link - 7 & 13 GHz Bands

The DTV Link operates as Studio-Transmitter Link (STL) in the Part 74 frequency bands of 7 & 13 GHz (6,425 to 6,525 MHz, 6,875 to 7,125 MHz and 12,700 to 13,250 MHz respectively).

Form 601, Schedule I, Supplement 4 Information:

<u>Item</u>	<u>Description</u>	<u>Entry for FCC 601 Sched. I, Supp. 4</u>
4	Lower or Center Frequency (MHz)	Enter the assigned frequency in (MHz)
5	Upper Frequency (MHz)	Not used here
6	Frequency Tolerance (%)	.005%
7	Effective Isotropic Radiated Power (dBm)	(+30 dBm + Tx ant. gain – Tx cable loss + 2.15)
8	Emission Designator	20M0D7W
9	Digital Modulation Rate (Mbps)	45 Mbps max;
10	Digital Modulation Type	16 QAM
11	Transmitter Manufacturer	Moseley Associates, Inc.
12	Transmitter Model	DTV Link
13	Automatic Tx Power Control	No

3. Expedio Link - 2 GHz Bands

The Expedio Link operates as a TV-Pickup Station in the Part 74 frequency band of 2 GHz (2,025 to 2,110 MHz and 2,450 to 2,500MHz).

Form 601, Schedule I, Supplement 4 Information:

<u>Item</u>	<u>Description</u>	<u>Entry for FCC 601 Sched. I, Supp. 4</u>
4	Lower or Center Frequency (MHz)	Enter the assigned frequency in (MHz)
5	Upper Frequency (MHz)	Not used here
6	Frequency Tolerance (%)	.005%
7	Effective Isotropic Radiated Power (dBm)	(+27 dBm + Tx ant. gain – Tx cable loss + 2.15)
8	Emission Designator	8M0D7W
9	Digital Modulation Rate (Mbps)	8 Mbps max;
10	Digital Modulation Type	COFDM
11	Transmitter Manufacturer	Moseley Associates, Inc.
12	Transmitter Model	Expedio
13	Automatic Tx Power Control	No