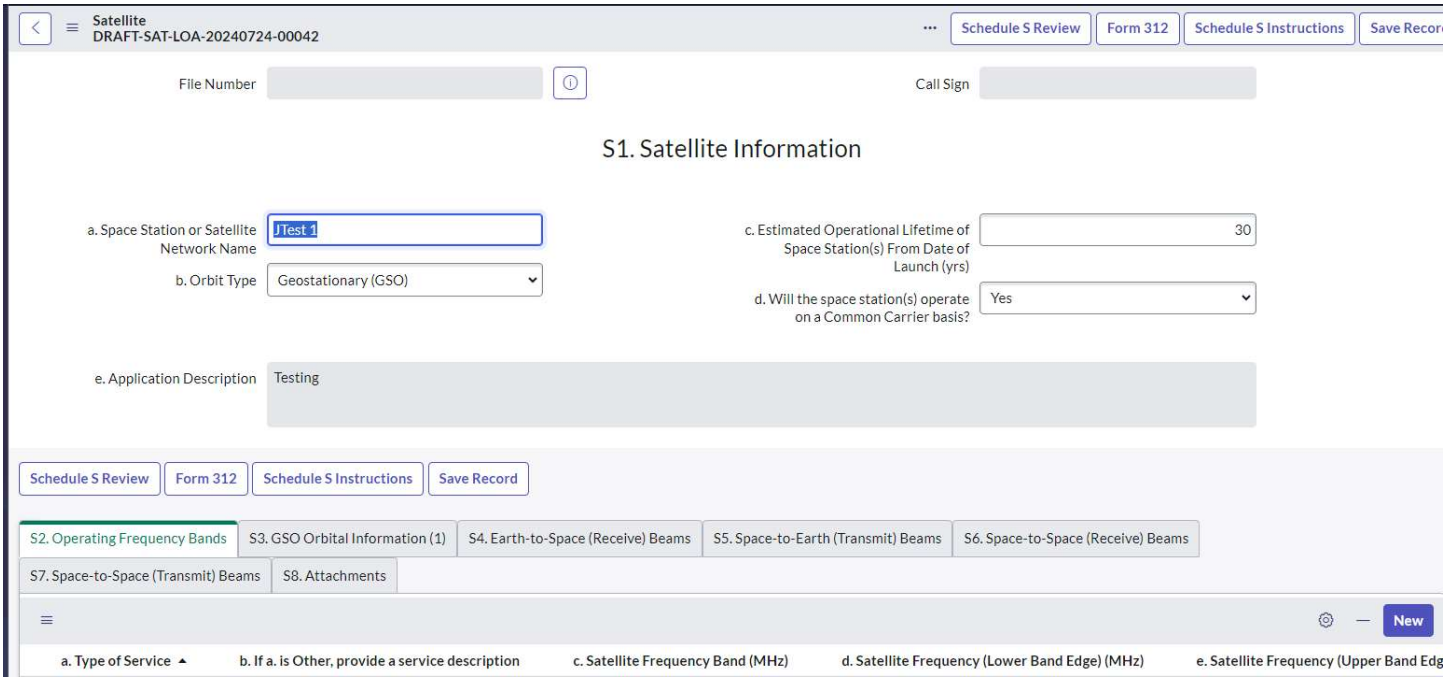
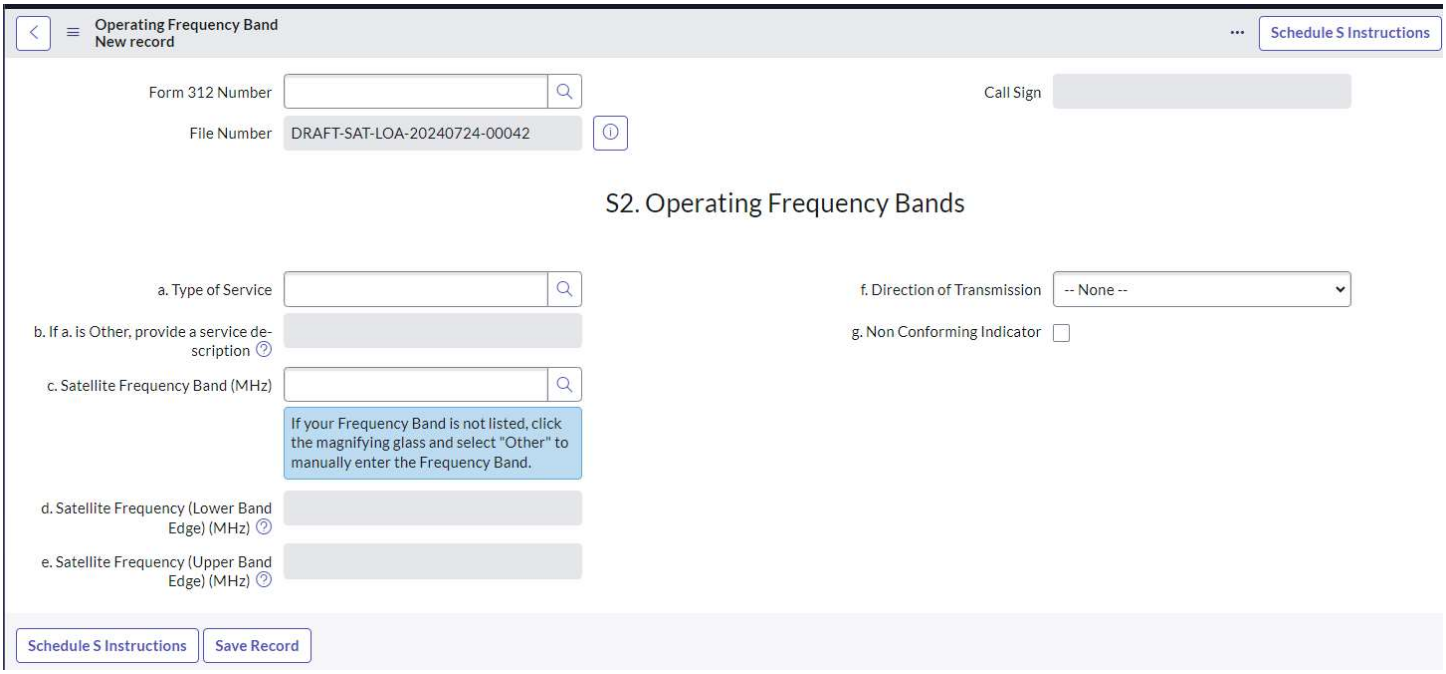
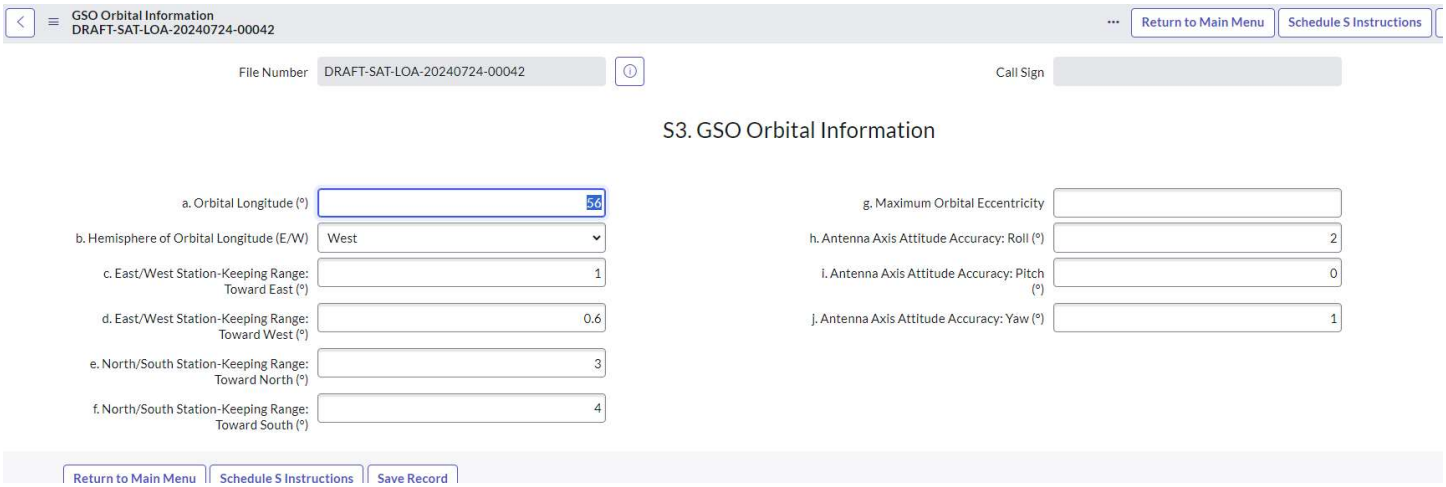
## Schedule S - GSO



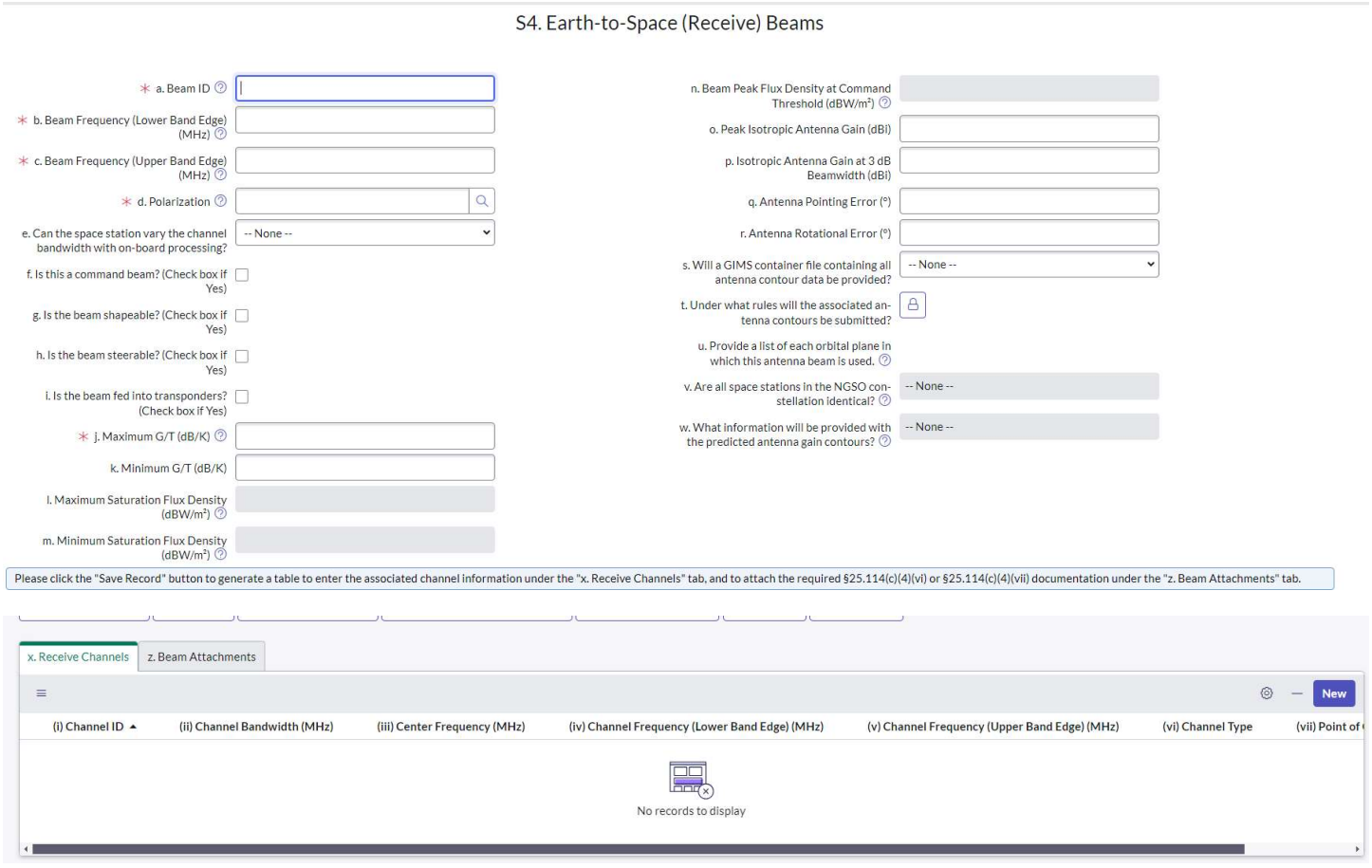

## S2 Operating Frequency Bands

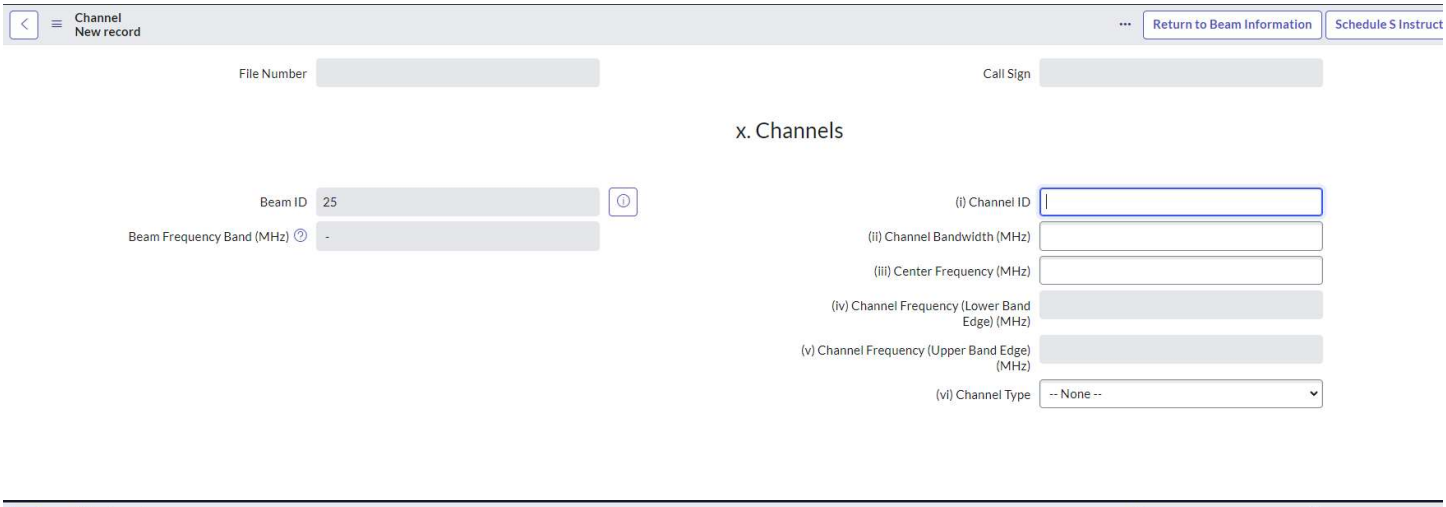


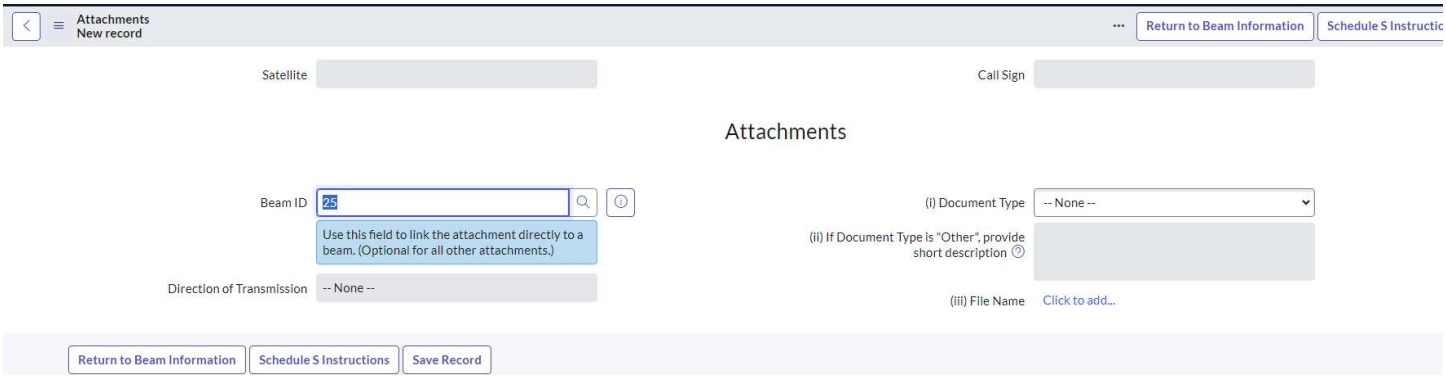
## S3. GSO Orbital Information



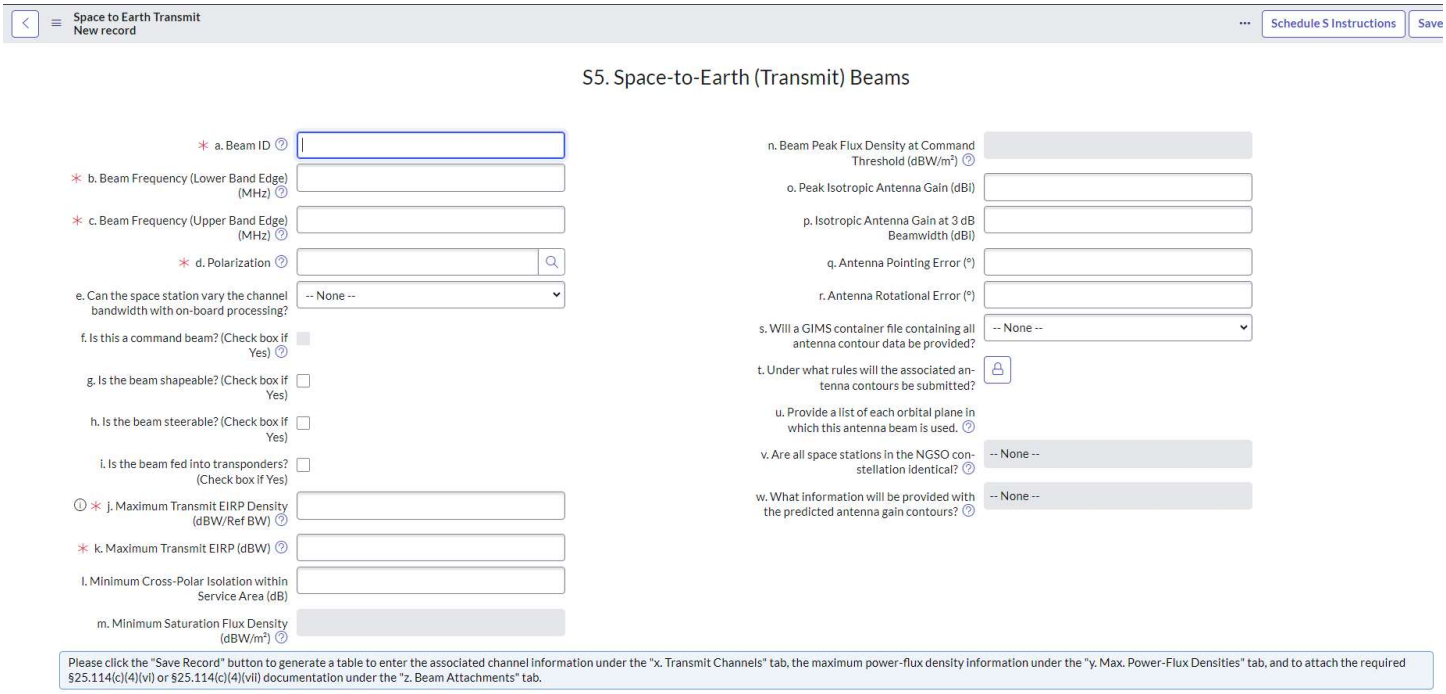

## S4. Earth-to-Space (Receive) Beams

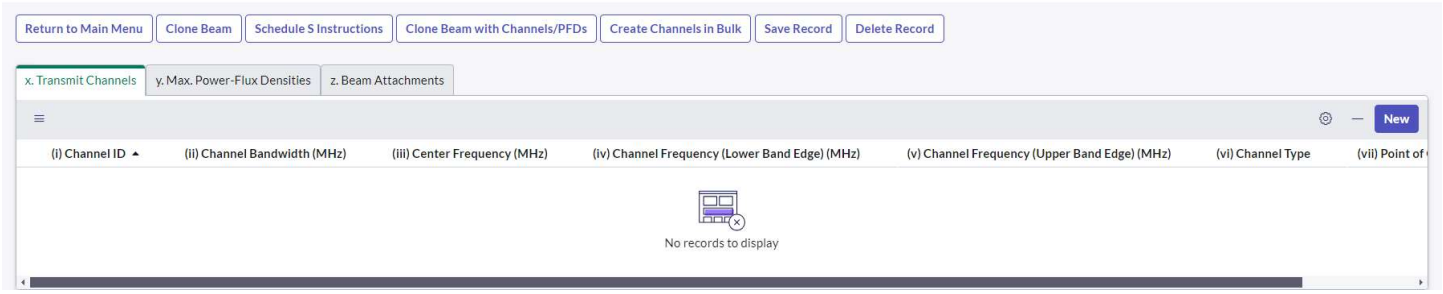


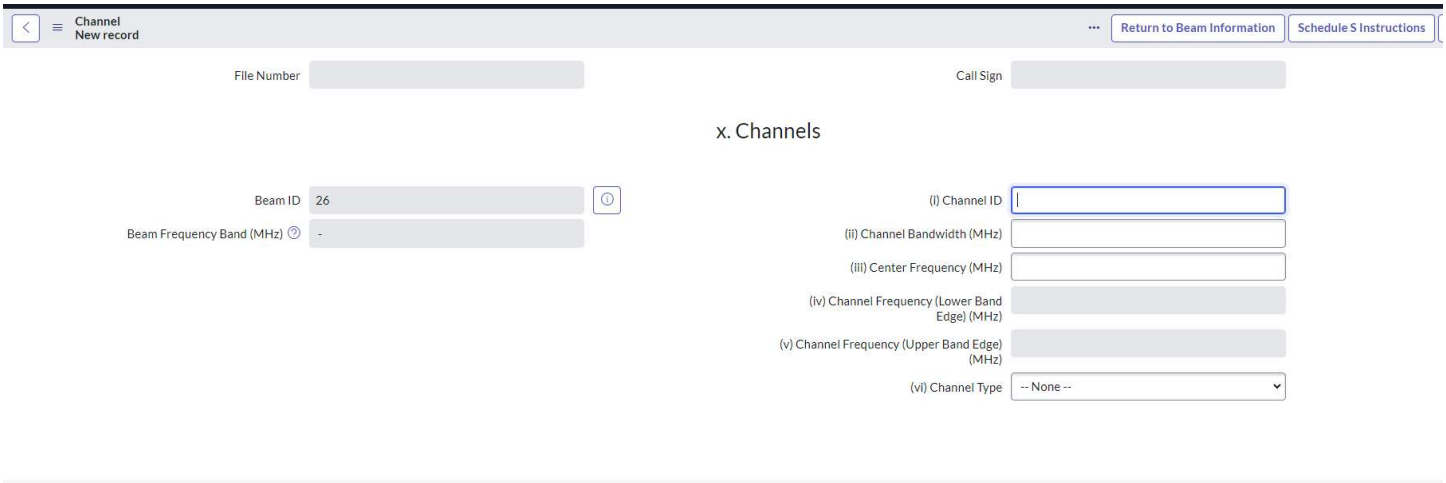


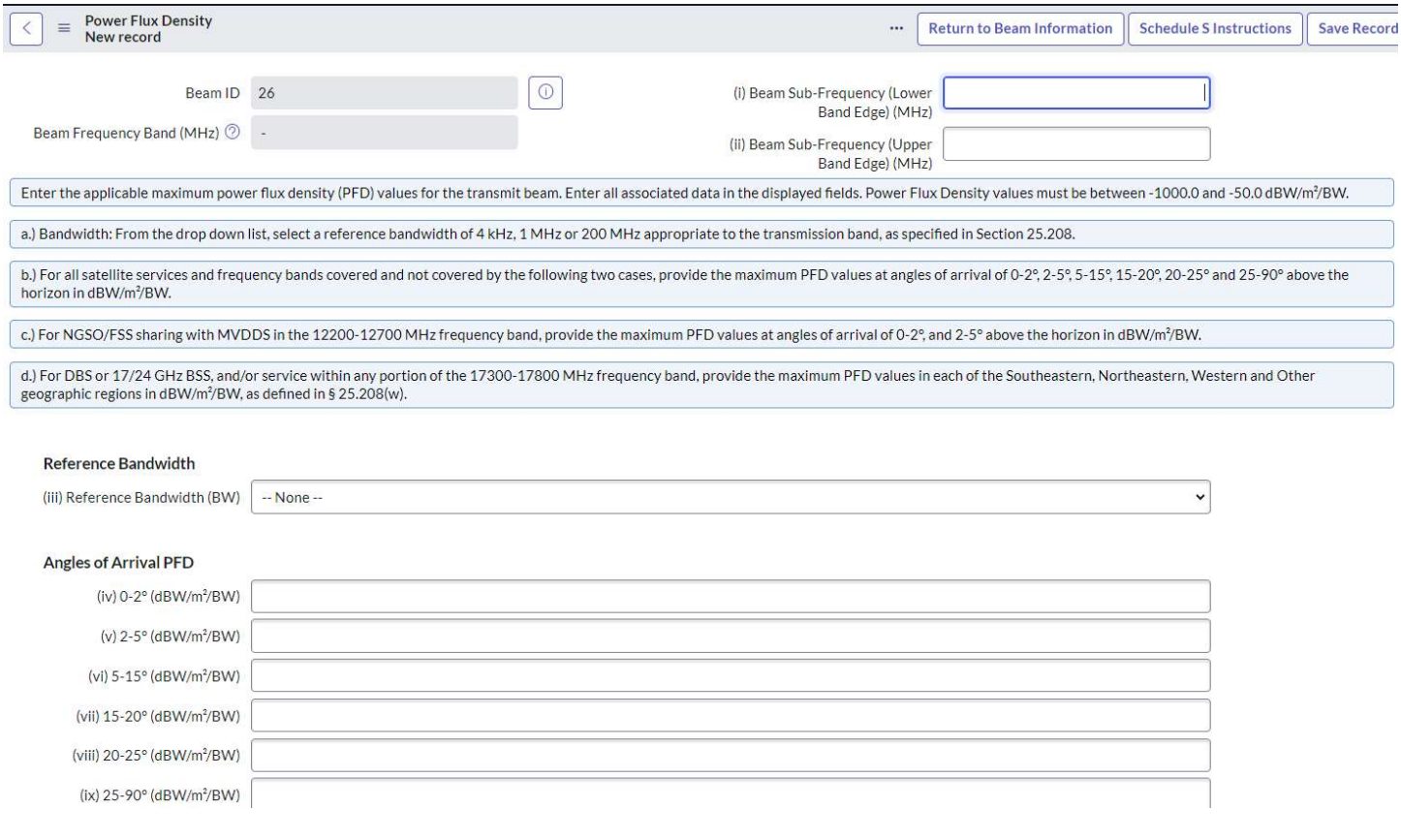




## S5. Space-to-Earth (Transmit) Beams




Return to Main Menu
Clone Beam
Schedule S Instructions
Clone Beam with Channels/PFDs
Create Channels in Bulk
Save Record
Delete Record
x. Transmit Channels
y. Max. Power-Flux Densities
z. Beam Attachments
New
(i) Channel ID
(ii) Channel Bandwidth (MHz)
(iii) Center Frequency (MHz)
(iv) Channel Frequency (Lower Band Edge) (MHz)
(v) Channel Frequency (Upper Band Edge) (MHz)
(vi) Channel Type
(vii) Point of
No records to display


Channel
New record
Return to Beam Information
Schedule S Instructions
File Number
Call Sign
x. Channels
Beam ID
26
Beam Frequency Band (MHz)
-
(i) Channel ID
(ii) Channel Bandwidth (MHz)
(iii) Center Frequency (MHz)
(iv) Channel Frequency (Lower Band Edge) (MHz)
(v) Channel Frequency (Upper Band Edge) (MHz)
(vi) Channel Type
-- None --
Return to Beam Information
Schedule S Instructions
Save Record


Power Flux Density
New record
Return to Beam Information
Schedule S Instructions
Save Record
Beam ID
26
Beam Frequency Band (MHz)
-
(i) Beam Sub-Frequency (Lower Band Edge) (MHz)
(ii) Beam Sub-Frequency (Upper Band Edge) (MHz)
Enter the applicable maximum power flux density (PFD) values for the transmit beam. Enter all associated data in the displayed fields. Power Flux Density values must be between -1000.0 and -50.0 dBW/m²/BW.
a.) Bandwidth: From the drop down list, select a reference bandwidth of 4 kHz, 1 MHz or 200 MHz appropriate to the transmission band, as specified in Section 25.208.
b.) For all satellite services and frequency bands covered and not covered by the following two cases, provide the maximum PFD values at angles of arrival of 0-2°, 2-5°, 5-15°, 15-20°, 20-25° and 25-90° above the horizon in dBW/m²/BW.
c.) For NGSO/FSS sharing with MVDDS in the 12200-12700 MHz frequency band, provide the maximum PFD values at angles of arrival of 0-2°, and 2-5° above the horizon in dBW/m²/BW.
d.) For DBS or 17/24 GHz BSS, and/or service within any portion of the 17300-17800 MHz frequency band, provide the maximum PFD values in each of the Southeastern, Northeastern, Western and Other geographic regions in dBW/m²/BW, as defined in § 25.208(w).
Reference Bandwidth
(iii) Reference Bandwidth (BW)
-- None --
Angles of Arrival PFD
(iv) 0-2° (dBW/m²/BW)
(v) 2-5° (dBW/m²/BW)
(vi) 5-15° (dBW/m²/BW)
(vii) 15-20° (dBW/m²/BW)
(viii) 20-25° (dBW/m²/BW)
(ix) 25-90° (dBW/m²/BW)

**Geographic Region PFD**

(x) Southeastern Region (dBW/m²/BW)

(xi) Northeastern Region (dBW/m²/BW)

(xii) Western Region (dBW/m²/BW)

(xiii) Other Region (dBW/m²/BW)

**Energy Dispersal Bandwidth**

(xiv) Energy Dispersal Bandwidth (kHz)

Attachments
New record

Return to Beam Information | Schedule S Instructions | Save R

Satellite

Call Sign

## Attachments

Beam ID 26

Use this field to link the attachment directly to a beam. (Optional for all other attachments.)

Direction of Transmission -- None --

(i) Document Type -- None --

(ii) If Document Type is "Other", provide short description

(iii) File Name Click to add...

Return to Beam Information | Schedule S Instructions | Save Record

# S6. Space-to-Space (Receive) Beams

Space to Space Receive
New record

Schedule S Instructions | Save Rec

## S6. Space-to-Space (Receive) Beams

* a. Beam ID

* b. Beam Frequency (Lower Band Edge) (MHz)

* c. Beam Frequency (Upper Band Edge) (MHz)

* d. Polarization

e. Can the space station vary the channel bandwidth with on-board processing? -- None --

f. Is this a command beam? (Check box if Yes)

g. Is the beam shapeable? (Check box if Yes)

h. Is the beam steerable? (Check box if Yes)

i. Is the beam fed into transponders? (Check box if Yes)

* j. Maximum G/T (dB/K)

k. Minimum G/T (dB/K)

l. Maximum Saturation Flux Density (dBW/m²)

m. Minimum Saturation Flux Density (dBW/m²)

n. Beam Peak Flux Density at Command Threshold (dBW/m²)

o. Peak Isotropic Antenna Gain (dBi)

p. Isotropic Antenna Gain at 3 dB Beamwidth (dBi)

q. Antenna Pointing Error (°)

r. Antenna Rotational Error (°)

s. Will a GIMS container file containing all antenna contour data be provided? -- None --

t. Under what rules will the associated antenna contours be submitted?

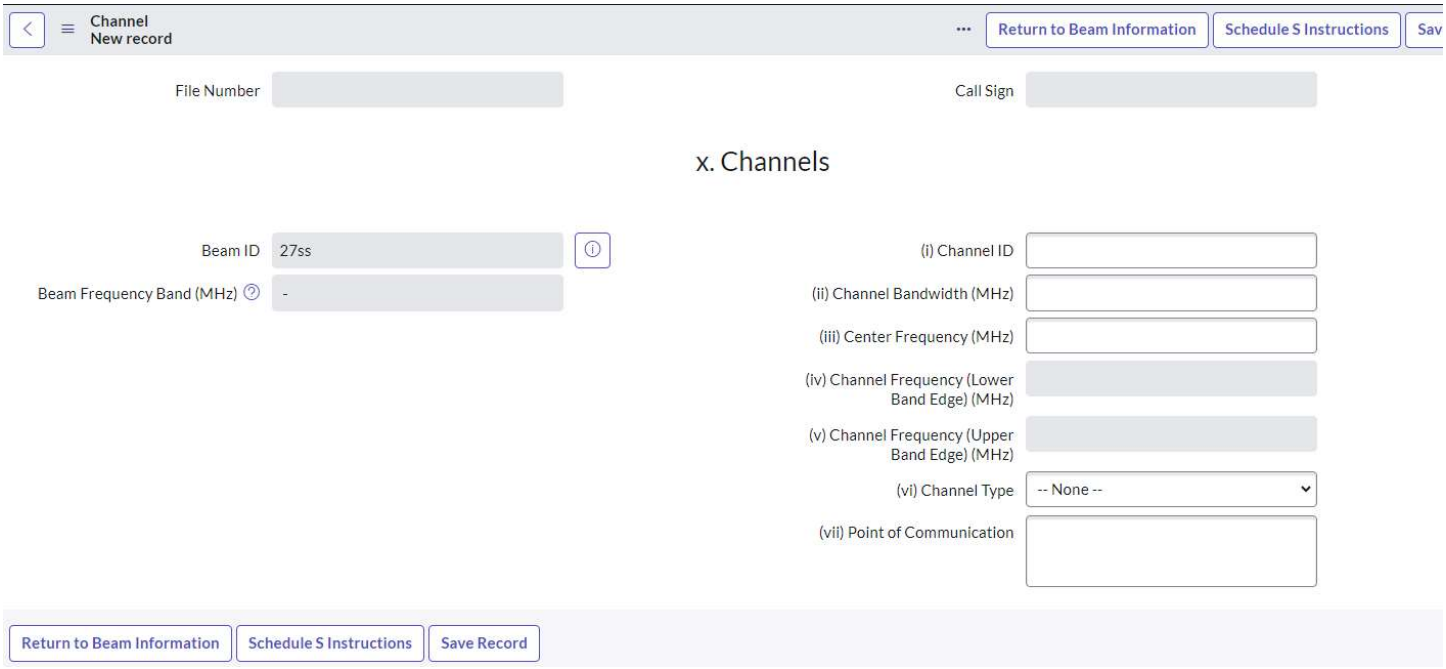
u. Provide a list of each orbital plane in which this antenna beam is used.

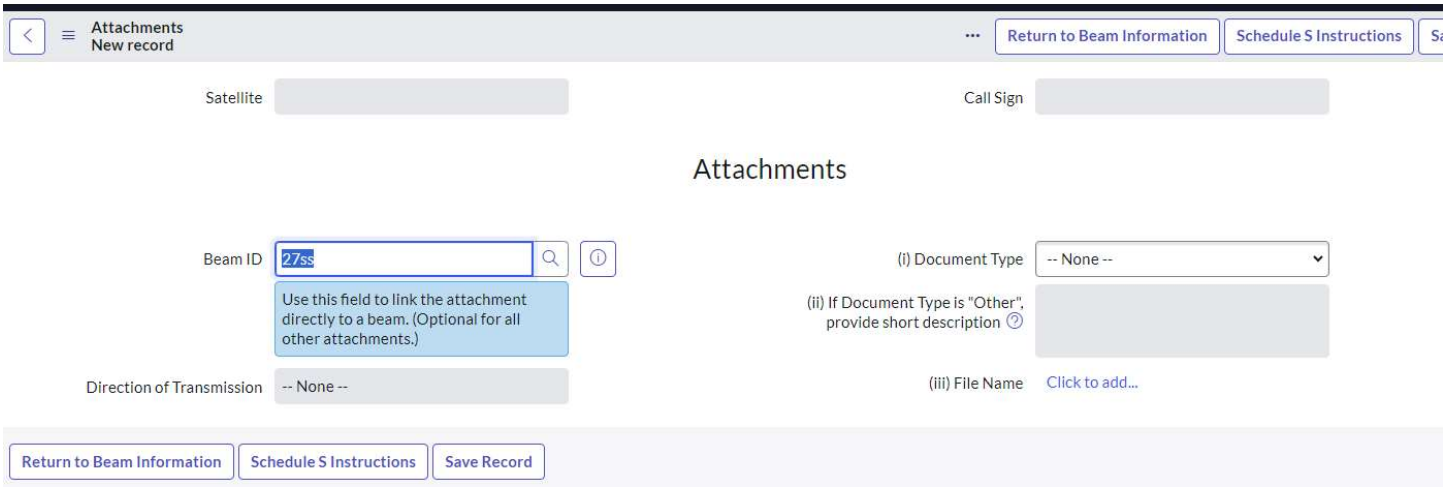
v. Are all space stations in the NGSO constellation identical? -- None --

w. What information will be provided with the predicted antenna gain contours? -- None --

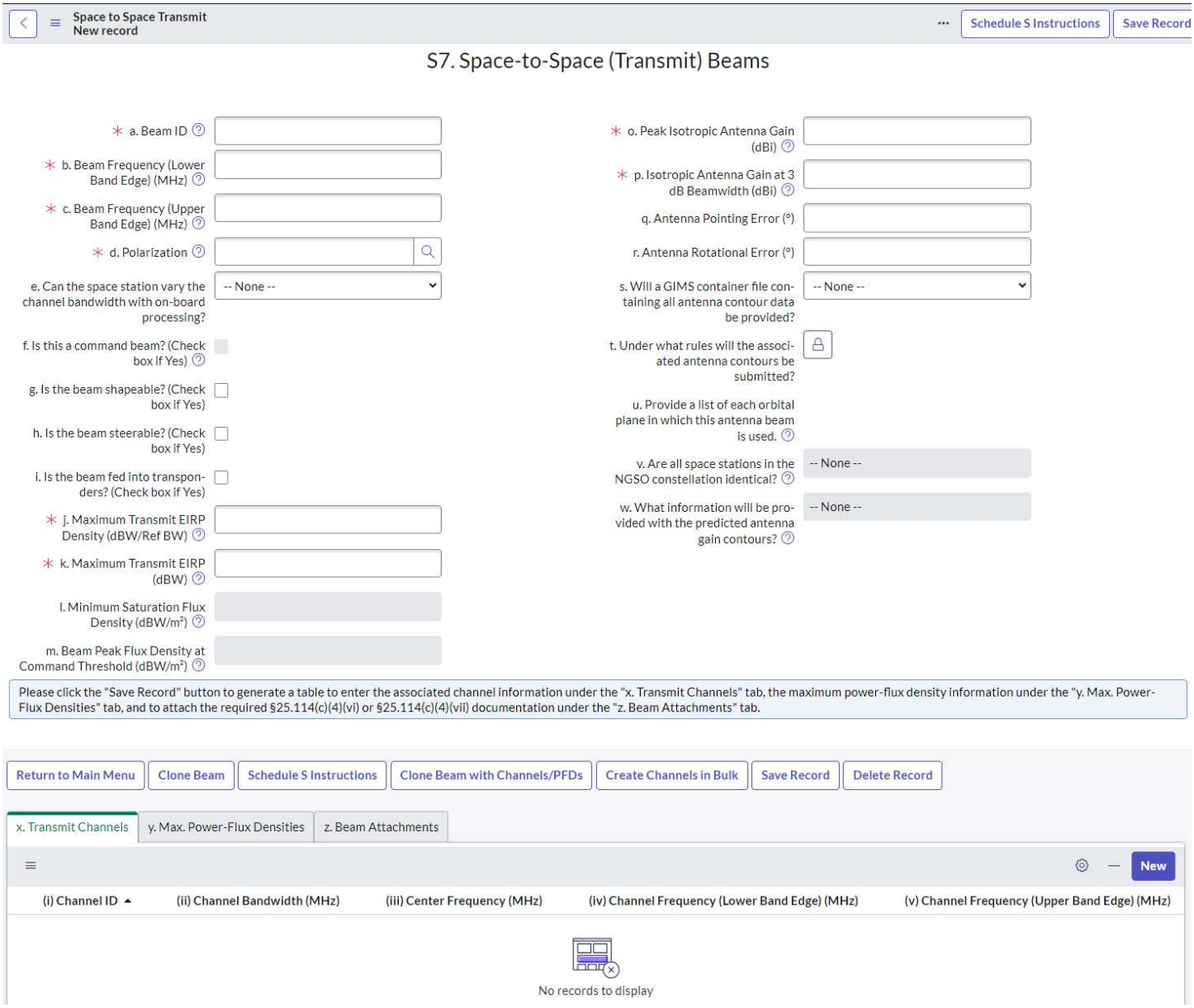
Please click the "Save Record" button to generate a table to enter the associated channel information under the "x. Receive Channels" tab, and to attach the required §25.114(c)(4)(vi) or §25.114(c)(4)(vii)


Return to Main Menu
Clone Beam
Schedule S Instructions
Clone Beam with Channels/PFDs
Create Channels in Bulk
Save Record
Delete Record
x. Receive Channels
z. Beam Attachments
New
(i) Channel ID
(ii) Channel Bandwidth (MHz)
(iii) Center Frequency (MHz)
(iv) Channel Frequency (Lower Band Edge) (MHz)
(v) Channel Frequency (Upper Band Edge) (MHz)


Channel
New record
Return to Beam Information
Schedule S Instructions
File Number
Call Sign
x. Channels
Beam ID
27ss
Beam Frequency Band (MHz)
-
(i) Channel ID
(ii) Channel Bandwidth (MHz)
(iii) Center Frequency (MHz)
(iv) Channel Frequency (Lower Band Edge) (MHz)
(v) Channel Frequency (Upper Band Edge) (MHz)
(vi) Channel Type
-- None --
(vii) Point of Communication
Return to Beam Information
Schedule S Instructions
Save Record


Attachments
New record
Return to Beam Information
Schedule S Instructions
Satellite
Call Sign
Attachments
Beam ID
27ss
Use this field to link the attachment directly to a beam. (Optional for all other attachments.)
Direction of Transmission
-- None --
(i) Document Type
-- None --
(ii) If Document Type is "Other", provide short description
(iii) File Name
Click to add...
Return to Beam Information
Schedule S Instructions
Save Record

# S7. Space-to-Space (Transmit) Beams



Channel
New record

Return to Beam Information | Schedule S Instructions | Save Record

File Number

Call Sign

## x. Channels

Beam ID 28sst

Beam Frequency Band (MHz) -

(i) Channel ID

(ii) Channel Bandwidth (MHz)

(iii) Center Frequency (MHz)

(iv) Channel Frequency (Lower Band Edge) (MHz)

(v) Channel Frequency (Upper Band Edge) (MHz)

(vi) Channel Type -- None --

(vii) Point of Communication

Return to Beam Information | Schedule S Instructions | Save Record

Power Flux Density
New record

Return to Beam Information | Schedule S Instructions | Save Rec

## y. Max. Power-Flux Densities

Beam ID 28sst

Beam Frequency Band (MHz) -

(i) Beam Sub-Frequency (Lower Band Edge) (MHz)

(ii) Beam Sub-Frequency (Upper Band Edge) (MHz)

Enter the applicable maximum power flux density (PFD) values for the transmit beam. Enter all associated data in the displayed fields. Power Flux Density values must be between -1000.0 and -50.0 dBW/m²/BW.

a.) Bandwidth: From the drop down list, select a reference bandwidth of 4 kHz, 1 MHz or 200 MHz appropriate to the transmission band, as specified in Section 25.208.

b.) For all satellite services and frequency bands covered and not covered by the following two cases, provide the maximum PFD values at angles of arrival of 0-2°, 2-5°, 5-15°, 15-20°, 20-25° and 25-90° above the horizon in dBW/m²/BW.

c.) For NGSO/FSS sharing with MVDDS in the 12200-12700 MHz frequency band, provide the maximum PFD values at angles of arrival of 0-2°, and 2-5° above the horizon in dBW/m²/BW.

d.) For DBS or 17/24 GHz BSS, and/or service within any portion of the 17300-17800 MHz frequency band, provide the maximum PFD values in each of the Southeastern, Northeastern, Western and Other geographic regions in dBW/m²/BW, as defined in § 25.208(w).

**Reference Bandwidth**

(iii) Reference Bandwidth (BW) -- None --

**Angles of Arrival PFD**

(iv) 0-2° (dBW/m²/BW)

(v) 2-5° (dBW/m²/BW)

(vi) 5-15° (dBW/m²/BW)

(vii) 15-20° (dBW/m²/BW)

(viii) 20-25° (dBW/m²/BW)

(ix) 25-90° (dBW/m²/BW)

**Geographic Region PFD**

(x) Southeastern Region (dBW/m²/BW)

(xi) Northeastern Region (dBW/m²/BW)

(xii) Western Region (dBW/m²/BW)

(xiii) Other Region (dBW/m²/BW)

**Energy Dispersal Bandwidth**

(xiv) Energy Dispersal Bandwidth (kHz)

Return to Beam Information | Schedule S Instructions | Save Record

Attachments
New record

Return to Beam Information | Schedule S Instructions

Satellite

Call Sign

## Attachments

Beam ID 28sst

Use this field to link the attachment directly to a beam. (Optional for all other attachments.)

(i) Document Type -- None --

(ii) If Document Type is "Other", provide short description

Direction of Transmission -- None --

(iii) File Name Click to add...

Return to Beam Information | Schedule S Instructions | Save Record

# S8. Attachments

Attachments
New record

Schedule S Instructions

Satellite DRAFT-SAT-LOA-20240724-00042

Call Sign

## Attachments

Beam ID

Use this field to link the attachment directly to a beam. (Optional for all other attachments.)

(i) Document Type -- None --

(ii) If Document Type is "Other", provide short description

Direction of Transmission -- None --

(iii) File Name Click to add...

Schedule S Instructions | Save Record