# Form 312 Schedule S (NGSO example) screenshots

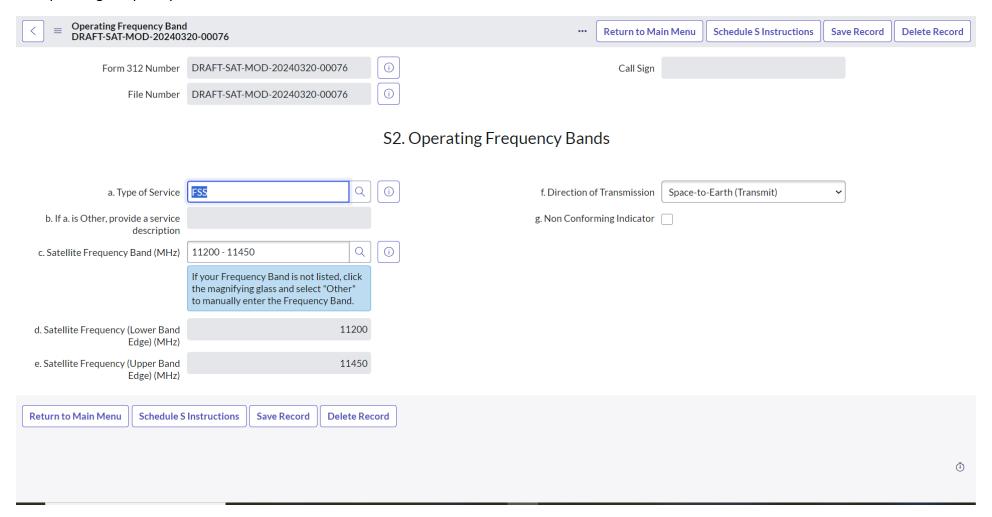
#### Estimated Time Per Response: 0.5-80 hrs S1. Satellite Information April 2024 OMB Control Number 3060-0678 Satellite DRAFT-SAT-MOD-20240320-00076 Schedule S Review Form 312 Schedule S Instructions Save Recor (i) File Number Call Sign S1. Satellite Information 30 a. Space Station or Satellite c. Estimated Operational Lifetime Network Name of Space Station(s) From Date of Launch (yrs) b. Orbit Type Geostationary (GSO) d. Will the space station(s) operate on a Common Carrier basis? Just another test e. Application Description **Schedule S Instructions** Schedule S Review Form 312 Save Record S2. Operating Frequency Bands (2) S3. GSO Orbital Information (1) S4. Earth-to-Space (Receive) Beams (1) S5. Space-to-Earth (Transmit) Beams (1) S6. Space-to-Space (Receive) Beams S7. Space-to-Space (Transmit) Beams S8. Attachments (5) $\equiv$ 6 Actions on selected rows... New a. Type of Service A b. If a. is Other, provide a service description c. Satellite Frequency Band (MHz) d. Satellite Frequency (Lower Band Edge) (MHz) e. Satellite Frequency (Upp **FSS** 11700 - 12500 11700

29500 - 30000

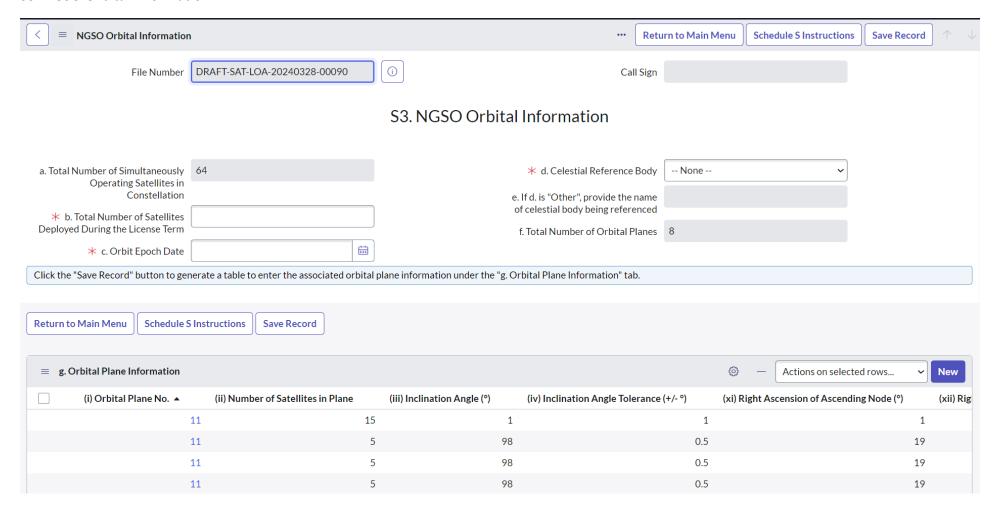
FSS

Not Yet Approved by OMB

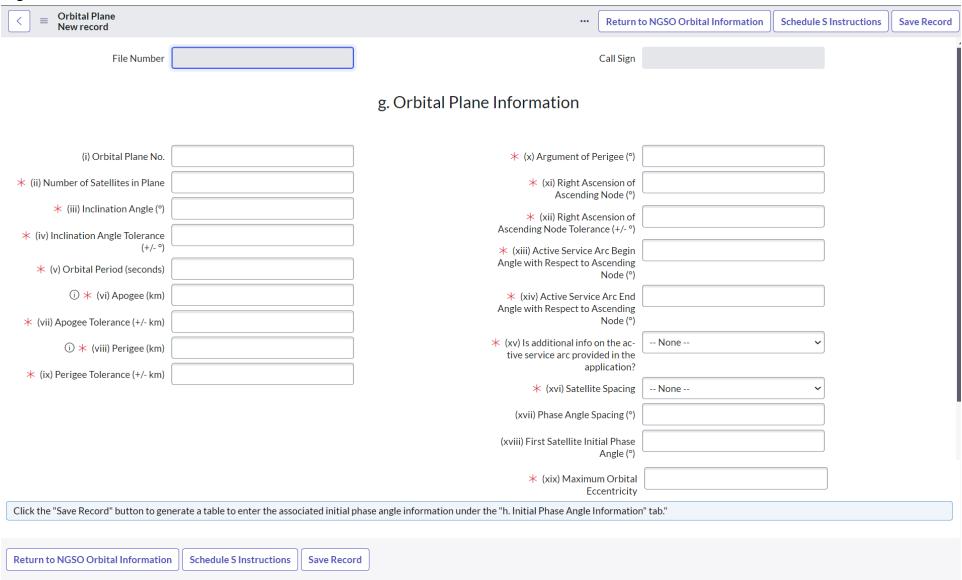
## S2. Operating Frequency Bands



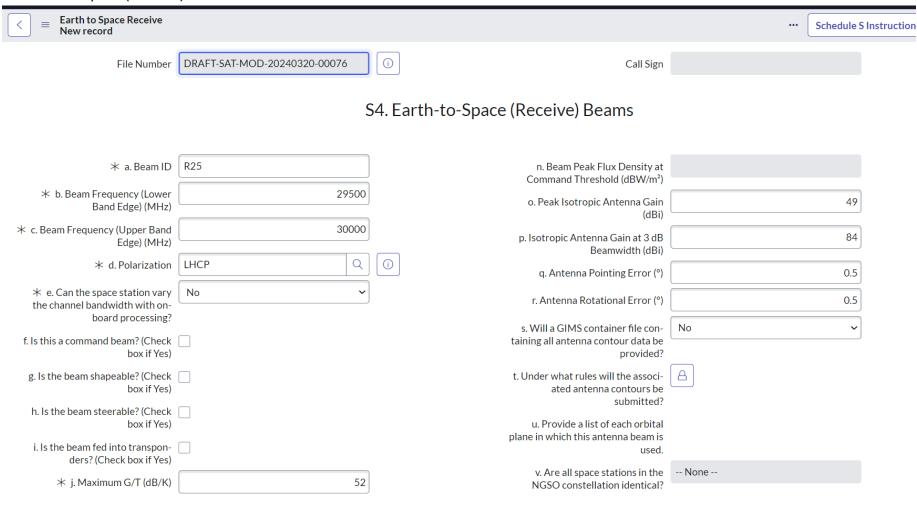
#### S3. NGSO Orbital Information



# S3g. Orbital Plane Information

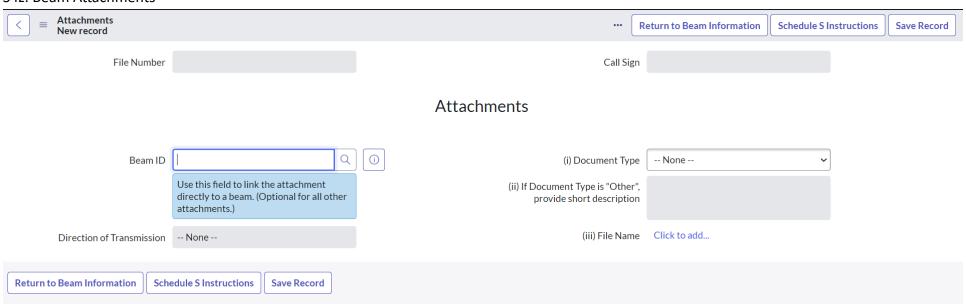


## S4. Earth-to-Space (Receive) Beams

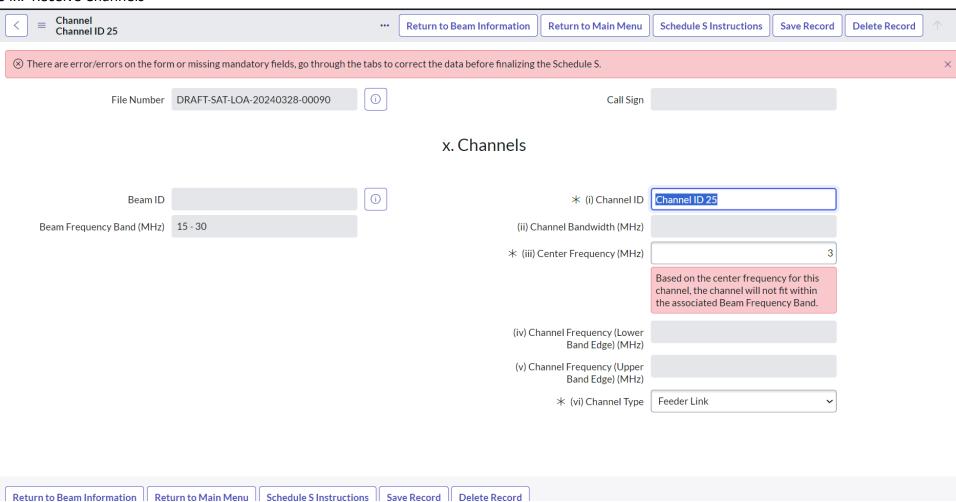




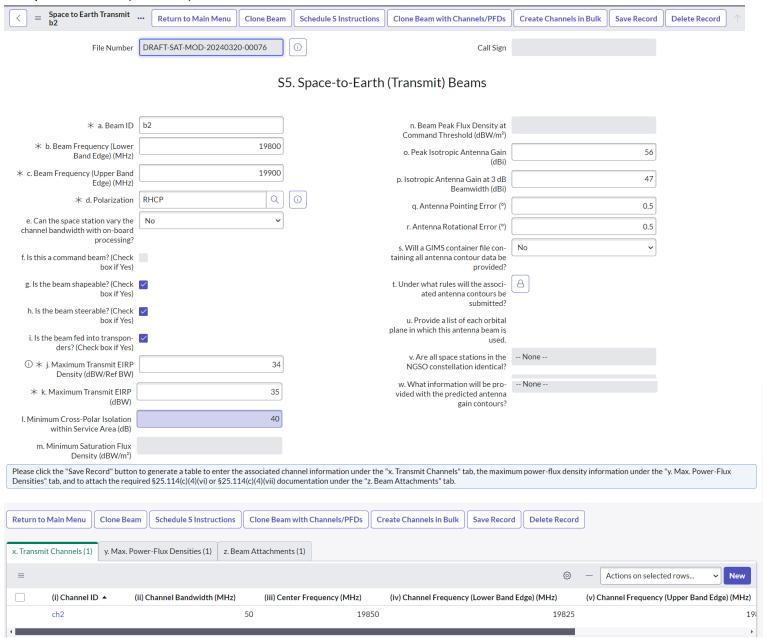
#### S4z. Beam Attachments



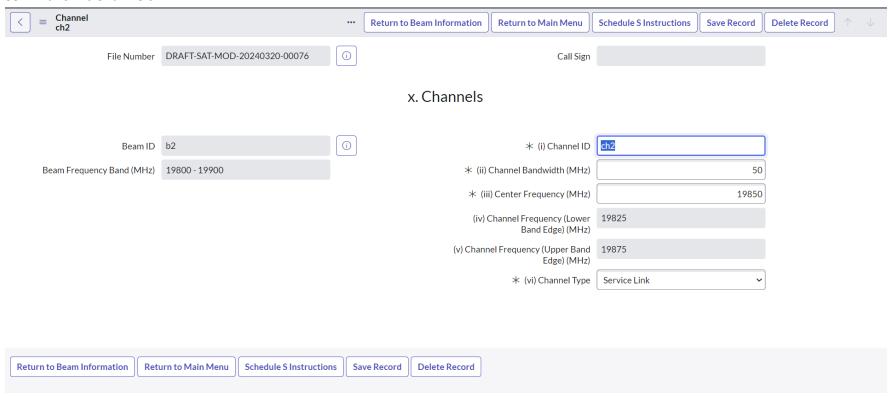
#### S4x. Receive Channels



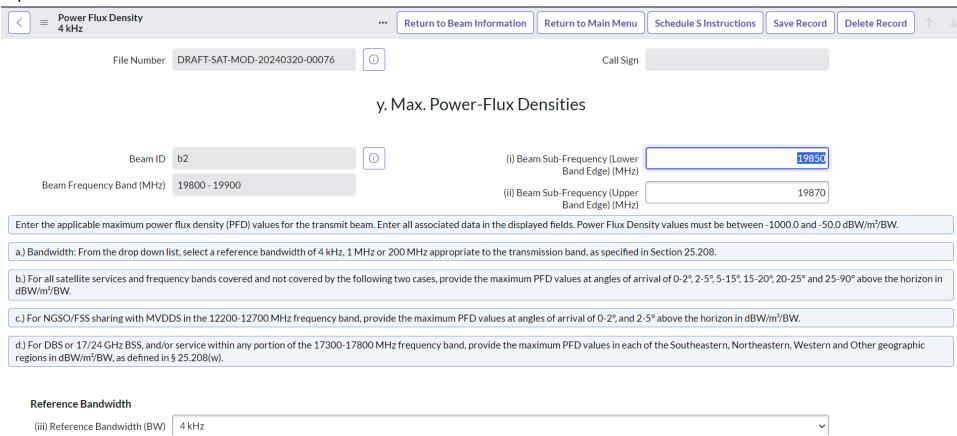
#### S5. Space-to-Earth (Transmit) Beams



# S5x. Transmit Channels

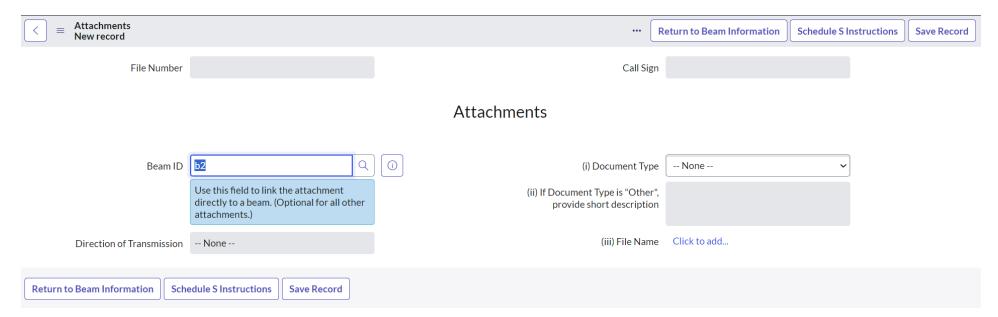


## S5y. Max. Power-Flux Densities



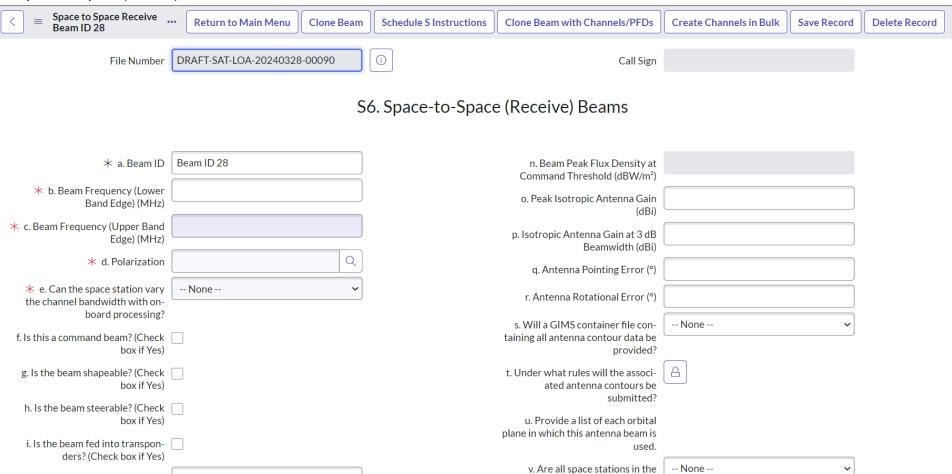
Angles of Arrival PFD						
(iv) 0-2° (dBW/m²/	BW)					-100
(v) 2-5° (dBW/m²/	BW)					-105
(vi) 5-15° (dBW/m²/	BW)					-106
(vii) 15-20° (dBW/m²/	BW)					-107
(viii) 20-25° (dBW/m²/	BW)					-108
(ix) 25-90° (dBW/m²/	BW)					-109
Geographic Region PFD						
(x) Southeastern Re (dBW/m²/	gion BW)					
(xi) Northeastern Re (dBW/m²/						
(xii) Western Region (dBW/m²/	BW)					
(xiii) Other Region (dBW/m²/	BW)					
Energy Dienercal Pandud	4+15					
Energy Dispersal Bandwi	utii					
(xiv) Energy Dispersal Bandw (I	ridth kHz)					40
Datum to Boam Information	Poturn to Main Monu	Schodulo S Instructions	Savo Docord	Doloto Pocord		

#### S5z. Beam Attachments



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

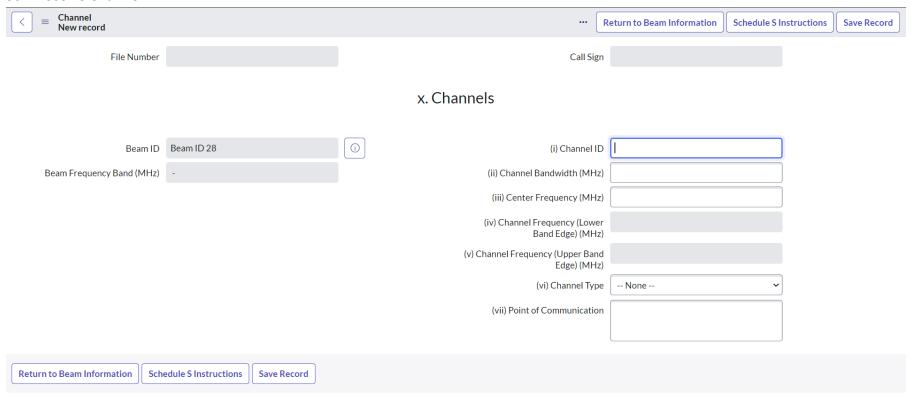
\* j. Maximum G/T (dB/K)



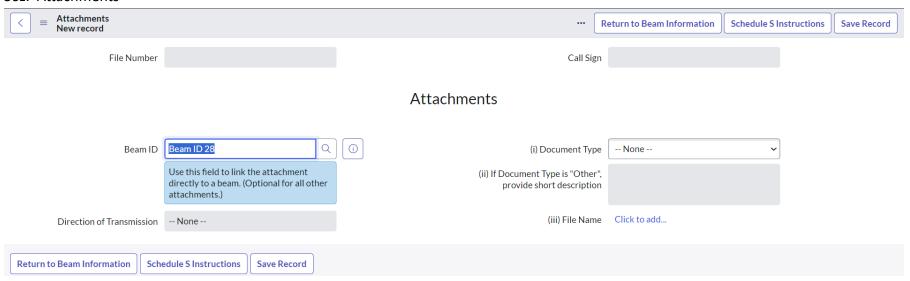
NGSO constellation identical?

k. Minimum G/T (dB/K)			w. What information will be pro- vided with the predicted antenna		one
I. Maximum Saturation Density (dBW			•	ontours?	
m. Minimum Saturation Density (dBW					
Please click the "Save Record" bunder the "z. Beam Attachment	_	he associated channel information ur	der the "x. Receive Channels" tab, ar	nd to attach the I	required §25.114(c)(4)(vi) or §25.114(c)(4)(vii) documentation
Return to Main Menu Clone	Beam Schedule S Instructions	Clone Beam with Channels/PFDs	Create Channels in Bulk Sav	ve Record De	elete Record
x. Receive Channels z. Beam A	Attachments				
=					⊚ – New
(i) Channel ID ▲ (ii)	Channel Bandwidth (MHz)	(iii) Center Frequency (MHz)	(iv) Channel Frequency (Lower Bar	nd Edge) (MHz)	(v) Channel Frequency (Upper Band Edge) (MHz)

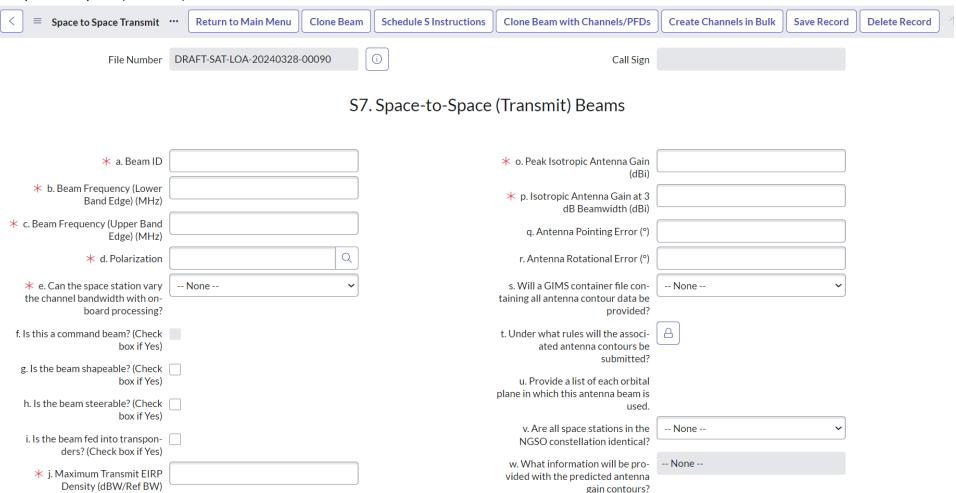
#### S6x. Receive Channel



#### S6z. Attachments

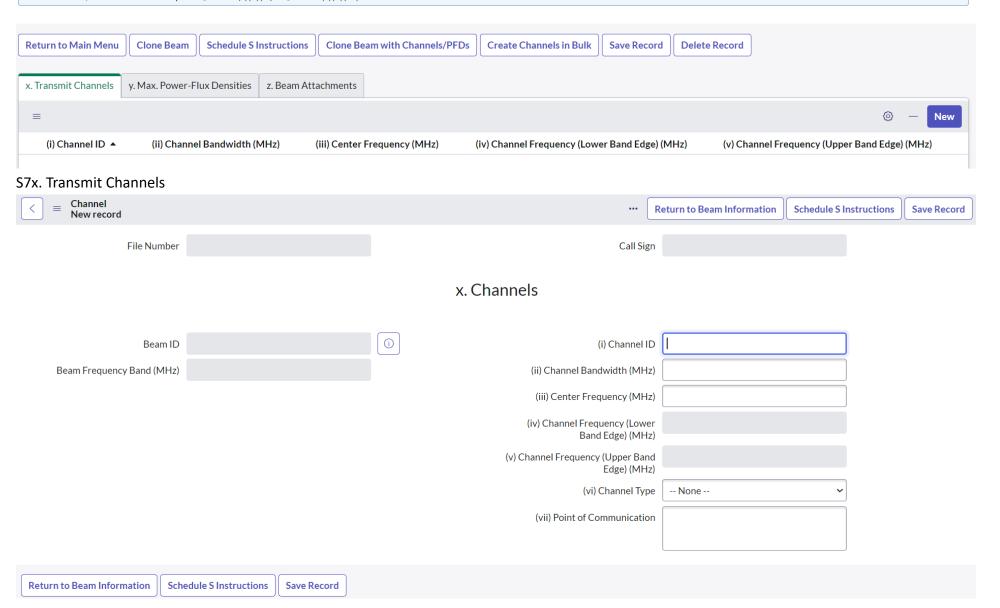


## S7. Space-to-Space (Transmit) Beams

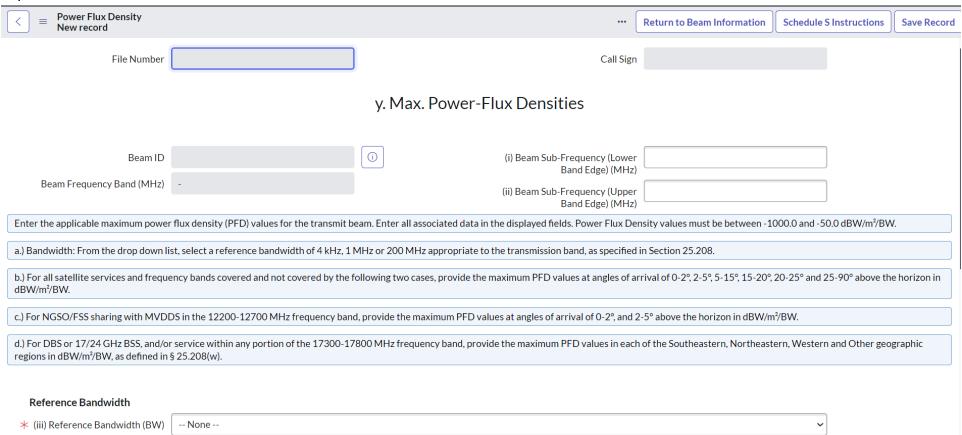


m. Beam Peak Flux Density at Command Threshold (dBW/m²)

Please click the "Save Record" button to generate a table to enter the associated channel information under the "x. Transmit Channels" tab, the maximum power-flux density information under the "y. Max. Power-Flux Densities" tab, and to attach the required \$25.114(c)(4)(v) or \$25.114(c)(4)(v) documentation under the "z. Beam Attachments" tab.

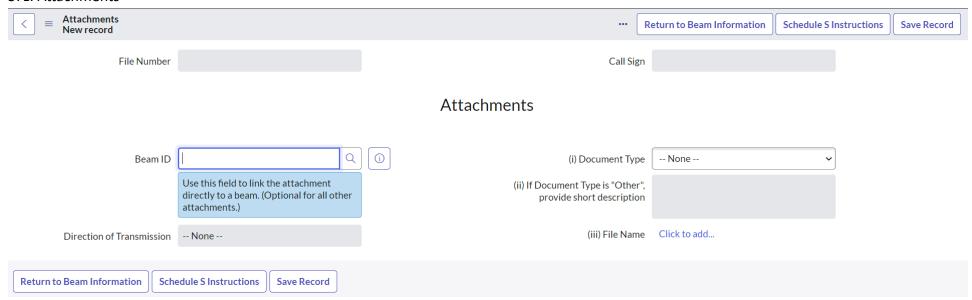


# S7y. Max. Power-Flux Densities



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 Scho	edule S Instructions   Save Record	

#### S7z. Attachments



#### S8. Attachments

