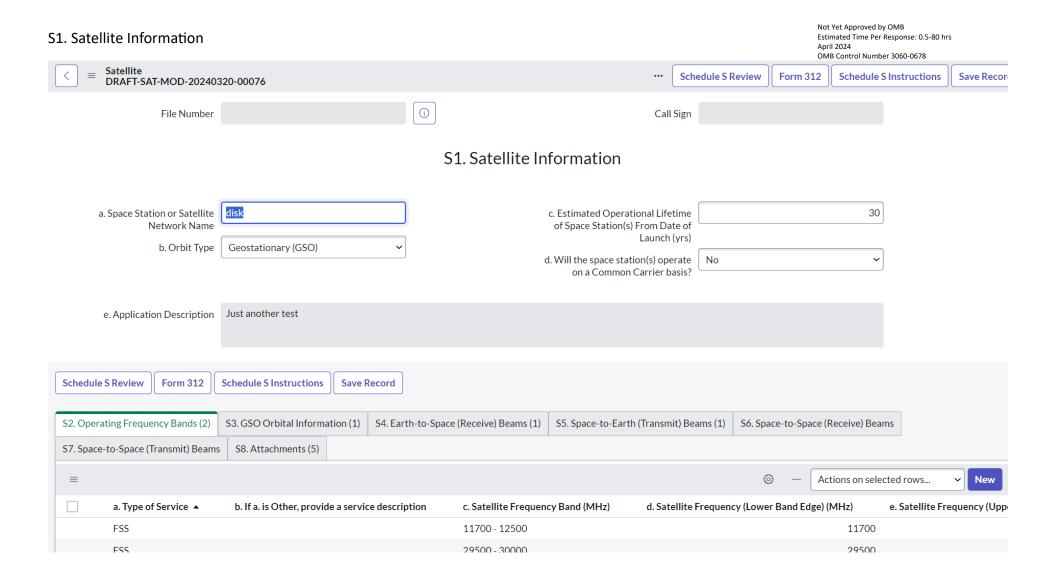
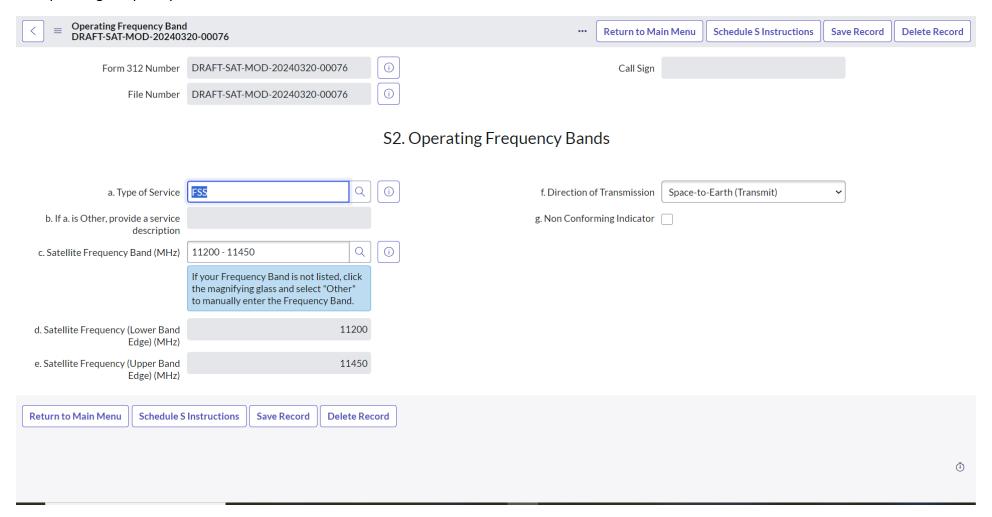
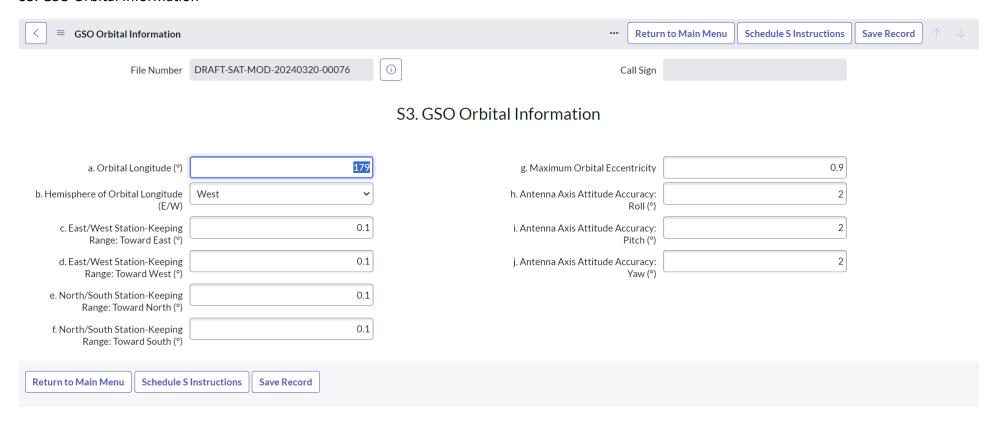
## Form 312 Schedule S (GSO example) screenshots



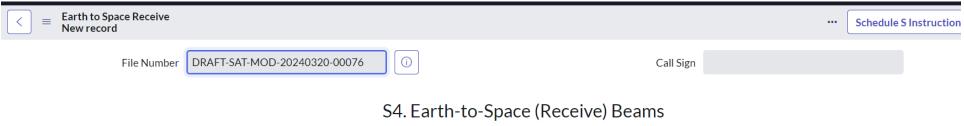
# S2. Operating Frequency Bands



#### S3. GSO Orbital Information



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

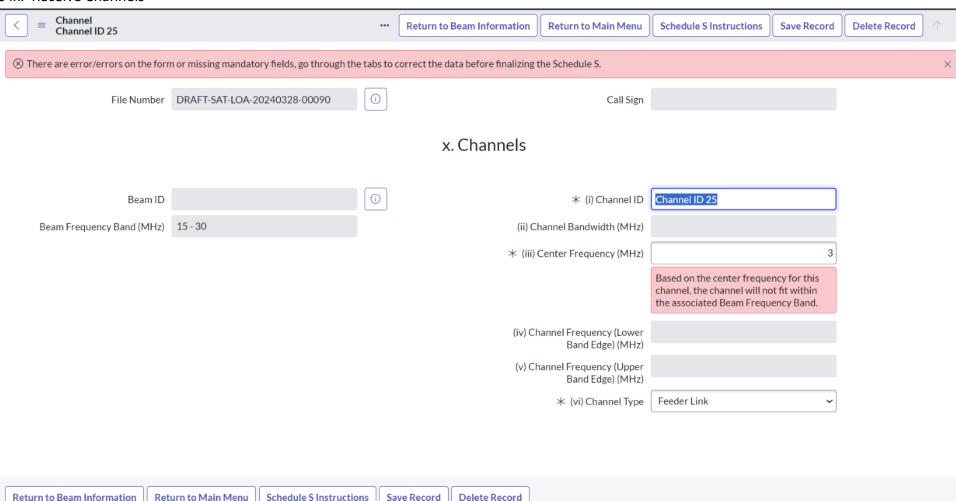


≭ a. Beam ID	R25	n. Beam Peak Flux Density at Command Threshold (dBW/m²)	
* b. Beam Frequency (Lower Band Edge) (MHz)	29500	o. Peak Isotropic Antenna Gain (dBi)	49
st c. Beam Frequency (Upper Band Edge) (MHz)	30000	p. Isotropic Antenna Gain at 3 dB Beamwidth (dBi)	84
* d. Polarization	LHCP	q. Antenna Pointing Error (°)	0.5
* e. Can the space station vary the channel bandwidth with on- board processing?	No v	r. Antenna Rotational Error (°)	0.5
f. Is this a command beam? (Check box if Yes)		s. Will a GIMS container file containing all antenna contour data be provided?	No ~
g. Is the beam shapeable? (Check box if Yes)		t. Under what rules will the associ- ated antenna contours be submitted?	
h. Is the beam steerable? (Check box if Yes)		u. Provide a list of each orbital plane in which this antenna beam is	
i. Is the beam fed into transpon- ders? (Check box if Yes)		used. v. Are all space stations in the	None
* j. Maximum G/T (dB/K)	52	NGSO constellation identical?	INOIIC

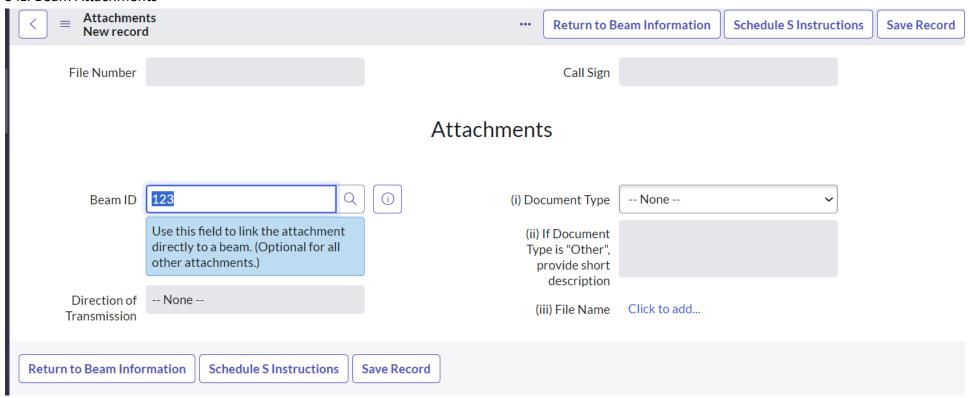
k. Minimum G/T (dB/K)	46	w. What information will be pro- vided with the predicted antenna	None
I. Maximum Saturation Flux Density (dBW/m²)		gain contours?	
m. Minimum Saturation Flux Density (dBW/m²)			

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) documentation under the "z. Beam Attachments" tab.

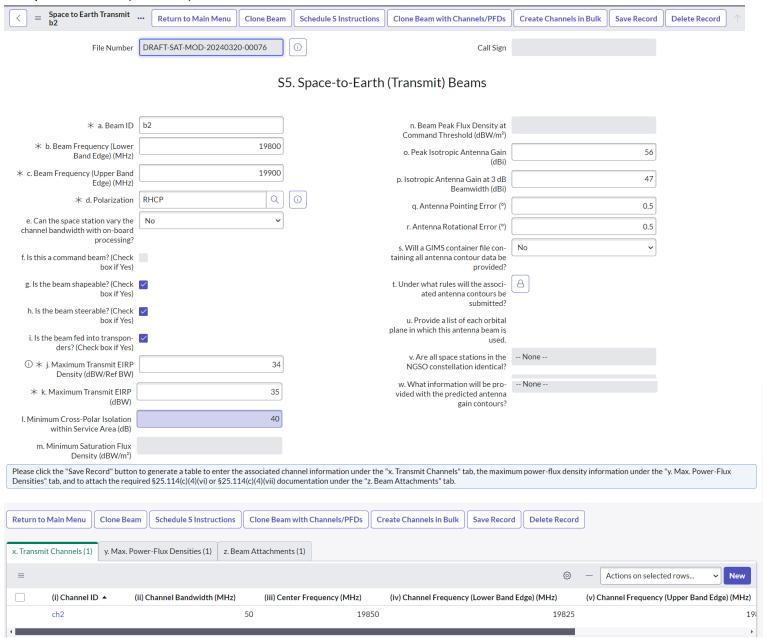
#### S4x. Receive Channels



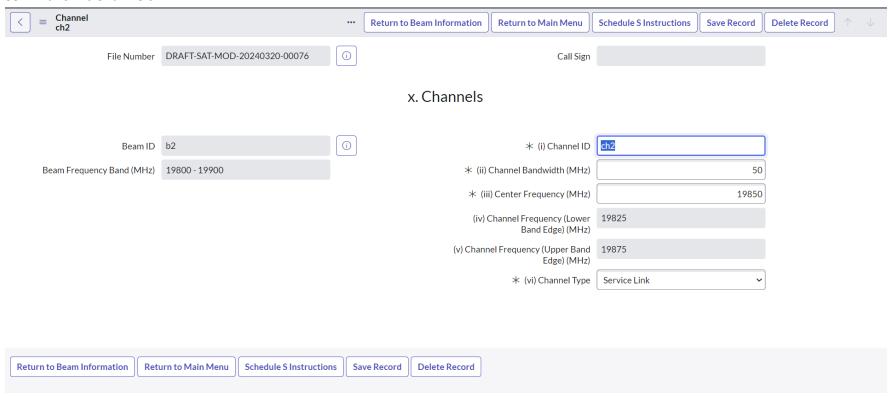
#### S4z. Beam Attachments



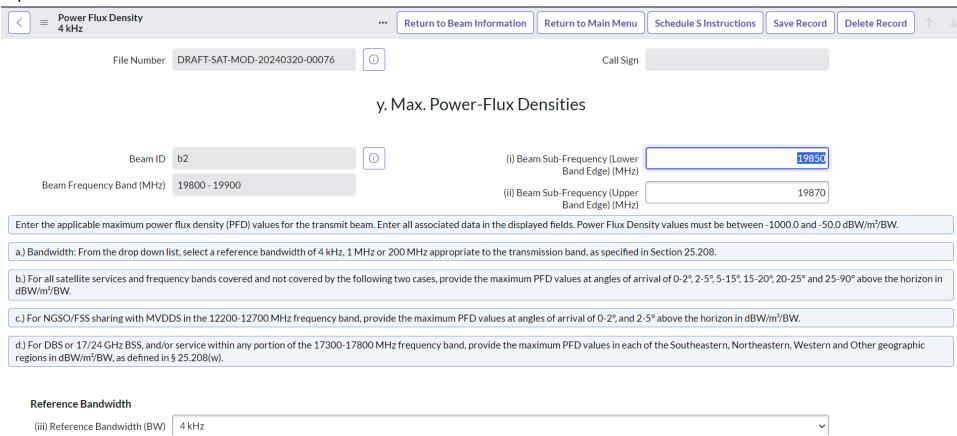
## S5. Space-to-Earth (Transmit) Beams



# S5x. Transmit Channels

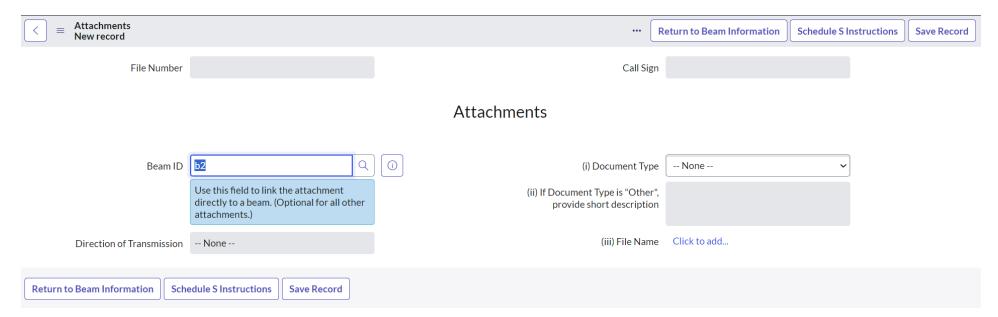


## S5y. Max. Power-Flux Densities

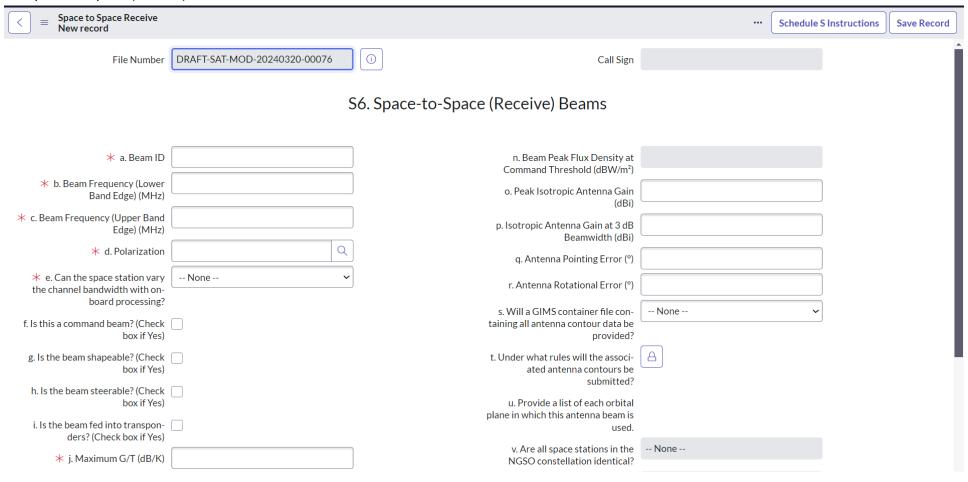


Angles of Arrival PFD						
(iv) 0-2° (dBW/m²/	BW)					-100
(v) 2-5° (dBW/m²/	BW)					-105
(vi) 5-15° (dBW/m²/	BW)					-106
(vii) 15-20° (dBW/m²/	BW)					-107
(viii) 20-25° (dBW/m²/	BW)					-108
(ix) 25-90° (dBW/m²/	BW)					-109
Geographic Region PFD						
(x) Southeastern Re (dBW/m²/	gion BW)					
(xi) 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

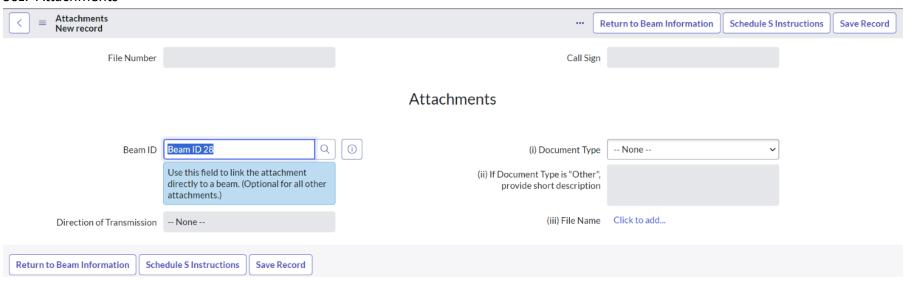


## S6. Space-to-Space (receive) Beams

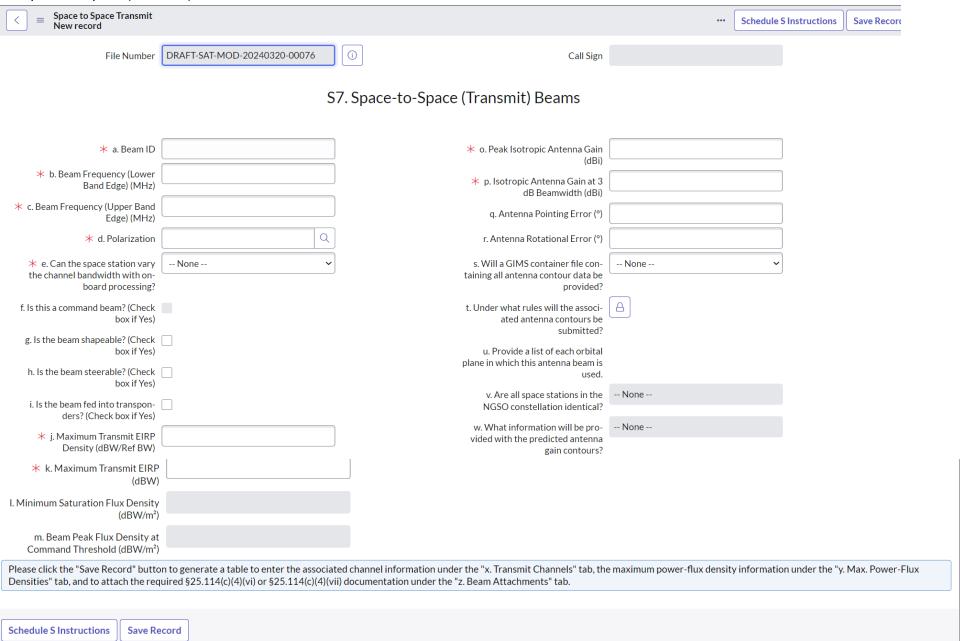


k. Minimum G/T (dB  I. Maximum Saturation F  Density (dBW/  m. Minimum Saturation F  Density (dBW/  Please click the "Save Record" bu  under the "z. Beam Attachments	Flux (m²) Flux (m²) utton to generate a ta	able to enter the as	ssociated c		led with the pr	redicted antenna gain contours?	- None the required §	\$25.114(c)(4)(vi) (	or §25.114(c)(4	)(vii) documentat
Schedule S Instructions Save	e Record									
S6x. Receive Channel										
Channel New record					F	Return to Beam Inform	ation Sched	ule S Instructions	Save Record	
File Number					Call Sign					
				x. Channels						
Beam ID	Beam ID 28		0		(i) Channel ID	I				
Beam Frequency Band (MHz)				(ii) Channel Ba	ndwidth (MHz)					
				(iii) Center Fr	equency (MHz)					
				(iv) Channel Fre Ba	equency (Lower nd Edge) (MHz)					
				(v) Channel Frequen	cy (Upper Band Edge) (MHz)					
				(v	i) Channel Type			~		
				(vii) Point of 0	Communication		-			
Return to Beam Information Sch	nedule S Instructions	Save Record								

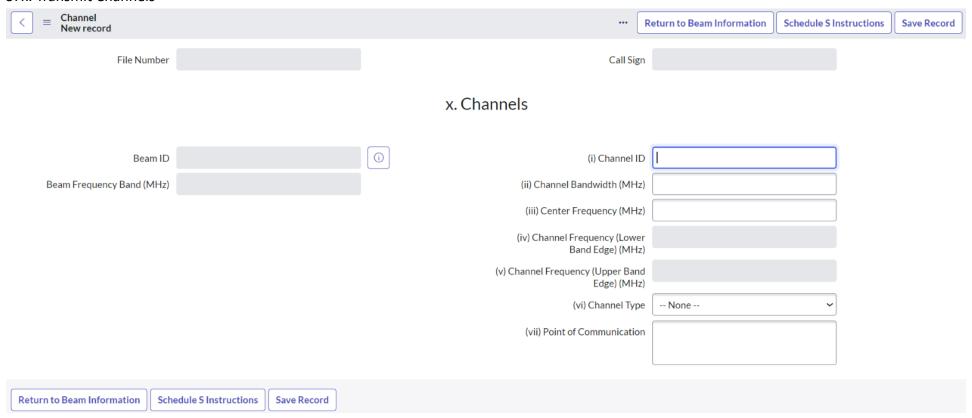
#### S6z. Attachments



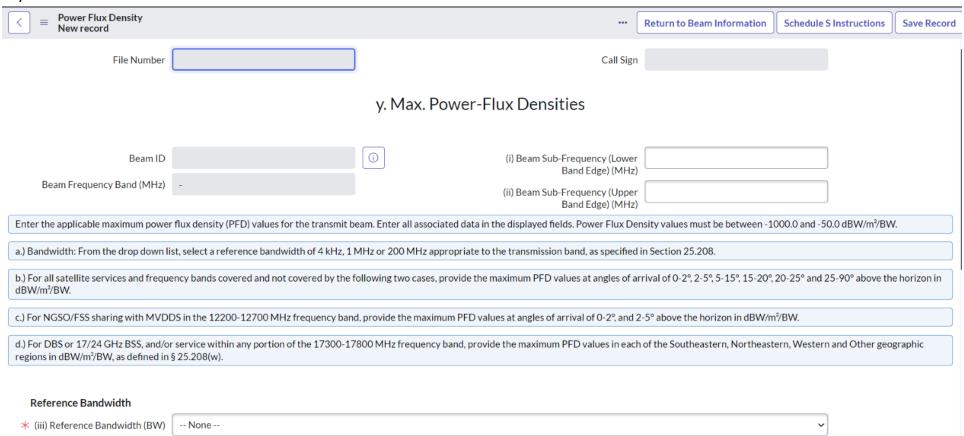
## S7. Space-to-Space (Transmit) Beam



#### S7x. Transmit Channels

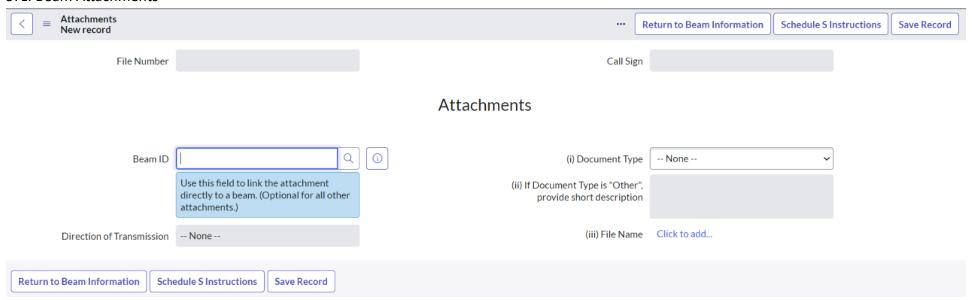


#### S7y. Max. Power-Flux Densities



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 Sch	edule S Instructions Save Record

#### S7z. Beam Attachments



## S8. Attachments

