

SATELLITE EARTH STATION AUTHORIZATIONS
FCC Form 312 - Schedule B:(Technical and Operational Description)
FOR OFFICIAL USE ONLY

Location of Earth Station Site

E1: Site Identifier:	SBY343KU	E5: Call Sign:	
E2: Contact Name:	Eric Khentigan	E6: Phone Number:	2032625000
E3: Street:	2120 River Road	E7: City:	Southbury
E4: State:	0f7266aedbb122008e0b75131f961947	E8: County:	New Haven
		E9: Zip Code:	06488
E10: Area of Operation:	CONUS		
E11: Latitude:	41° 27' 4.3"		
E12: Longitude:	73° 17' 22.4"		
E13: Lat/Lon Coordinates are:	nad-83		
E14: Site Elevation (AMSL):	37.7		

If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement? If NO, provide a technical analysis showing compliance with two-degree spacing policy.	Yes
If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS) or if they operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement?	N/A
Is Frequency Coordination required?	No
Is coordination with another country required?	No
Is FAA notification required?	No
Is facility operated by remote control?	No

POINTS OF COMMUNICATION

Satellite Name: PERMITTED LIST

E21. Common Name: PERMITTED LIST	E22. ITU Name: PERMITTED LIST
E23. Orbit Location: GSO	E24. Country: USA

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size (meters)	E41/42. Antenna Gain Transmit and/or Recieve (dBi at GHz)
SBY343KU	SBY343KU	1	General Dynamics SATCOM	4.8M 037974-01	4.8	undefined at 0

E28. Antenna Id	E33/34. Diameter Minor/Major (meters)	E35. Above Ground Level (meters)	E36. Above Sea Level (meters)	E37. Building Height Above Ground Level (meters)	E38. Total Input Power at Antenna Flange (Watts)	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for all carriers (dBW)
SBY343KU	0/0	5	42.7	0	400	0	81

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization (H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
SBY343KU	14000 14500	T	null	64K0G7W	40	27.9

E50. Modulation and Services

DIGITAL TRAFFIC USING PHASE AND AMPLITUD

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization (H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
SBY343KU	11700	R	null	64K0G7W	40	27.9

	12200					
E50. Modulation and Services						
DIGITAL TRAFFIC USING PHASE AND AMPLITUD						

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc E/W Limit	E56. Earth Station Azimuth Angle Eastern/Western Limit	E57. Antenna Elevation Angle Eastern/Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
SBY343KU	Geostationary	14000 14500	3 / 143	103.34 / 256.24	5.99 / 6.42	-4.4

SBY343KUGeostationary11700
122003 / 143103.34 / 256.245.99 / 6.420

REMOTE CONTROL POINT LOCATION

E61. Call Sign: undefined		E65. Phone Number: undefined	
E62. Street Address: undefined			
E63. City: undefined	E67. County: undefined	E64/68. State/Country: undefined / undefined	E66. Zip Code: undefined

Location of Earth Station Site

E1: Site Identifier:	HUB(6.1M)KU	E5: Call Sign:	
E2: Contact Name:	Eric Khentigan	E6: Phone Number:	2032625000
E3: Street:	2120 River Road	E7: City:	Southbury
E4: State:	0f7266aedbb122008e0b75131f961947	E8: County:	New Haven
		E9: Zip Code:	06488
E10: Area of Operation:	CONUS		

E11: Latitude: 41° 27' 5.3"

E12: Longitude: 73° 17' 17.1"

E13: Lat/Lon Coordinates are: nad-83

E14: Site Elevation (AMSL): 36.6

If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement? If NO, provide a technical analysis showing compliance with two-degree spacing policy.

Yes

If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS) or if they operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement?

N/A

Is Frequency Coordination required?

No

Is coordination with another country required?

No

Is FAA notification required?

No

Is facility operated by remote control?

No

POINTS OF COMMUNICATION

Satellite Name: PERMITTED LIST

E21. Common Name: PERMITTED LIST

E22. ITU Name: PERMITTED LIST

E23. Orbit Location: GSO

E24. Country: USA

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size (meters)	E41/42. Antenna Gain Transmit and/or Recieve (dBi at GHz)
HUB(6.1M)KU	(6.1M)KU	1	Vertex	KPK	6.1	undefined at 0

E28. Antenna Id	E33/34. Diameter Minor/Major	E35. Above Ground	E36. Above Sea	E37. Building Height	E38. Total Input	E39. Maximum Antenna	E40. Total EIRP
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	(meters)	Level (meters)	Level (meters)	Above Ground Level (meters)	Power at Antenna Flange (Watts)	Height Above Rooftop (meters)	for all carriers (dBW)
(6.1M)KU	0/0	6.23	46.83	0	400	0	83.1

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization (H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
(6.1M)KU	14000 14500	T	null	800KG1F	66.11	43.0997
E50. Modulation and Services						
PSK DIGITAL VIDEO W/ASSOC DIG AUDIO						

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization (H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
(6.1M)KU	11700 12200	R	null	800KG1F	0	0
E50. Modulation and Services						
PSK DIGITAL VIDEO W/ASSOC DIG AUDIO						

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc E/W Limit	E56. Earth Station Azimuth Angle Eastern/Western Limit	E57. Antenna Elevation Angle Eastern/Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
(6.1M)KU	Geostationary	14000 14500	3 / 143	103.34 / 256.24	5.99 / 6.42	9.03

(6.1M)KUGeostationary11700
122003 / 143103.34 / 256.245.99 / 6.420

REMOTE CONTROL POINT LOCATION

E61. Call Sign: undefined		E65. Phone Number: undefined	
E62. Street Address: undefined			
E63. City: undefined	E67. County: undefined	E64/68. State/Country: undefined / undefined	E66. Zip Code: undefined

Location of Earth Station Site

E1: Site Identifier:	SBY332KU	E5: Call Sign:	
E2: Contact Name:	Eric Khentigan	E6: Phone Number:	2032625000
E3: Street:	2120 River Road	E7: City:	Southbury
E4: State:	0f7266aedbb122008e0b75131f961947	E8: County:	New Haven
		E9: Zip Code:	06488
E10: Area of Operation:	CONUS		
E11: Latitude:	41° 27' 5.7"		
E12: Longitude:	73° 17' 17.6"		
E13: Lat/Lon Coordinates are:	nad-83		
E14: Site Elevation (AMSL):	35.7		

If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement? If NO, provide a technical analysis showing compliance with two-degree spacing policy.	Yes
If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS) or if they operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement?	N/A
Is Frequency Coordination required?	No
Is coordination with another country required?	No

Is FAA notification required?	No
Is facility operated by remote control?	No

POINTS OF COMMUNICATION

Satellite Name: PERMITTED LIST	
E21. Common Name: PERMITTED LIST	E22. ITU Name: PERMITTED LIST
E23. Orbit Location: GSO	E24. Country: USA

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size (meters)	E41/42. Antenna Gain Transmit and/or Recieve (dBi at GHz)
SBY332KU	SBY332KU	1	Vertex	9KPK	9	undefined at 0

E28. Antenna Id	E33/34. Diameter Minor/Major (meters)	E35. Above Ground Level (meters)	E36. Above Sea Level (meters)	E37. Building Height Above Ground Level (meters)	E38. Total Input Power at Antenna Flange (Watts)	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for all carriers (dBW)
SBY332KU	0/0	9.5	45.2	0	750	0	88.9

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization (H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum EIRP Density per Carrier (dBW/4kHz)
SBY332KU	14000 14500	T	null	200KG1F	63.1	46.1103

E50. Modulation and Services

PSK DIGITAL VIDEO AND ASSOCIATED DIGITAL

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization (H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum EIRP Density per Carrier (dBW/4kHz)
SBY332KU	11700 12200	R	null	200KG1F	0	0
E50. Modulation and Services						
PSK DIGITAL VIDEO AND ASSOCIATED DIGITAL						

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc E/W Limit	E56. Earth Station Azimuth Angle Eastern/Western Limit	E57. Antenna Elevation Angle Eastern/Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
SBY332KU	Geostationary	14000 14500	3 / 143	103.34 / 256.24	5.99 / 6.42	10.6

SBY332KUGeostationary11700
122003 / 143103.34 / 256.245.99 / 6.420

REMOTE CONTROL POINT LOCATION

E61. Call Sign: undefined		E65. Phone Number: undefined	
E62. Street Address: undefined			
E63. City: undefined	E67. County: undefined	E64/68. State/Country: undefined / undefined	E66. Zip Code: undefined

Location of Earth Station Site

E1: Site Identifier:	SBY301KU	E5: Call Sign:	
E2: Contact Name:	Eric Khentigan	E6: Phone Number:	2032625000

E3: Street:	2120 River Road	E7: City:	Southbury
E4: State:	0f7266aedbb122008e0b75131f961947	E8: County:	New Haven
		E9: Zip Code:	06488
E10: Area of Operation:	CONUS		
E11: Latitude:	41° 27' 7"		
E12: Longitude:	73° 17' 19.8"		
E13: Lat/Lon Coordinates are:	nad-83		
E14: Site Elevation (AMSL):	35.7		

If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement? If NO, provide a technical analysis showing compliance with two-degree spacing policy.	Yes
If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS) or if they operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement?	N/A
Is Frequency Coordination required?	Yes
Is coordination with another country required?	No
Is FAA notification required?	No
Is facility operated by remote control?	No

POINTS OF COMMUNICATION

Satellite Name: Estrela do Sul 2 (S2821)	
E21. Common Name: Estrela do Sul 2 (S2821)	E22. ITU Name: Estrela do Sul 2 (S2821)
E23. Orbit Location: 63° W.L.	E24. Country: USA

Satellite Name: AMAZONAS 2 (S2793) (Surrendered)	
E21. Common Name: AMAZONAS 2 (S2793) (Surrendered)	E22. ITU Name: AMAZONAS 2 (S2793) (Surrendered)
E23. Orbit Location: 61 W.L.	E24. Country: USA

Satellite Name: TELSTAR 11N (S2357)	
E21. Common Name: TELSTAR 11N (S2357)	E22. ITU Name: TELSTAR 11N (S2357)
E23. Orbit Location: 37.5 W.L.	E24. Country: USA

Satellite Name: PERMITTED LIST	
E21. Common Name: PERMITTED LIST	E22. ITU Name: PERMITTED LIST
E23. Orbit Location: GSO	E24. Country: USA

Satellite Name: ORION F2(S2933)	
E21. Common Name: TELSTAR 12 V (S2933)	E22. ITU Name: ORION F2(S2933)
E23. Orbit Location: 15 W.L.	E24. Country: USA

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size (meters)	E41/42. Antenna Gain Transmit and/or Recieve (dBi at GHz)
SBY301KU	SBY301KU	1	Vertex	9KPK	9	undefined at 0

E28. Antenna Id	E33/34. Diameter Minor/Major (meters)	E35. Above Ground Level (meters)	E36. Above Sea Level (meters)	E37. Building Height Above Ground Level (meters)	E38. Total Input Power at Antenna Flange (Watts)	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for all carriers (dBW)
SBY301KU	0/0	9.5	45.2	0	700	0	88.55

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization (H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
SBY301KU	13778 14000	T	null	600KG7W	67.9	46.1390874

E50. Modulation and Services

DIGITAL VIDEO, AUDIO, AND DATA

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization (H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
SBY301KU	11450 11700	R	null	800KG1F	0	0

E50. Modulation and Services

PSK DIGITAL VIDEO W/ASSOC DIG AUDIO

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization (H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
SBY301KU	10950 11700	R	null	64K0G7W	0	0

E50. Modulation and Services

DIGITAL VIDEO, AUDIO, AND DATA

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization (H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
SBY301KU	10700 12500	R	null	36M0G7W	0	0

E50. Modulation and Services

QPSK, DIGITAL TELEPHONY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization (H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
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					(dBW)	
SBY301KU	14000 14500	T	null	800KG1F	69.11	46.0997

E50. Modulation and Services

PSK DIGITAL VIDEO W/ASSOC DIG AUDIO

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization (H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum EIRP Density per Carrier (dBW/4kHz)
SBY301KU	13780 14500	T	null	64K0G7W	58.1	46.0588002

E50. Modulation and Services

DIGITAL VIDEO, AUDIO, AND DATA

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization (H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum EIRP Density per Carrier (dBW/4kHz)
SBY301KU	13750 14000	T	null	36M0G7W	74.5	34.9575749

E50. Modulation and Services

QPSK, DIGITAL TELEPHONY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization (H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum EIRP Density per Carrier (dBW/4kHz)
SBY301KU	13750 13772	T	null	600KG7W	67.9	46.1390874

E50. Modulation and Services

DIGITAL VIDEO, AUDIO, AND DATA

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization (H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
SBY301KU	13750 13770	T	null	64K0G7W	58.1	46.0588002
E50. Modulation and Services						
DIGITAL VIDEO, AUDIO, AND DATA						

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization (H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
SBY301KU	11700 12200	R	null	64K0G7W	0	0
E50. Modulation and Services						
DIGITAL VIDEO, AUDIO, AND DATA						

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc E/W Limit	E56. Earth Station Azimuth Angle Eastern/Western Limit	E57. Antenna Elevation Angle Eastern/Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
SBY301KU	Geostationary	14000 14500	3 / 102	103.34 / 219.6	5.99 / 33.88	3.62

SBY301KUGeostationary13780

1450063 / 63164.66 / 164.6640.95 / 40.95-19.7SBY301KUGeostationary13778

1400037 / 38132.03 / 133.0829.61 / 30.21-13SBY301KUGeostationary13750

140003 / 102103.34 / 219.65.99 / 33.889.03SBY301KUGeostationary13750

1377237 / 38132.03 / 133.0829.61 / 30.21-13SBY301KUGeostationary13750

1377063 / 63164.66 / 164.6640.95 / 40.95-19.7SBY301KUGeostationary11700

1220063 / 63164.66 / 164.6640.95 / 40.950SBY301KUGeostationary11450

1170063 / 63164.66 / 164.6640.95 / 40.950SBY301KUGeostationary10950

117003 / 102103.34 / 219.65.99 / 33.880SBY301KUGeostationary10700

125003 / 102103.34 / 219.65.99 / 33.880SBY301KUGeostationary14000

145003 / 102103.34 / 219.65.99 / 33.889.03SBY301KUGeostationary11450

117003 / 102103.34 / 219.65.99 / 33.880

REMOTE CONTROL POINT LOCATION

E61. Call Sign: undefined		E65. Phone Number: undefined	
E62. Street Address: undefined			
E63. City: undefined	E67. County: undefined	E64/68. State/Country: undefined / undefined	E66. Zip Code: undefined

Location of Earth Station Site

E1: Site Identifier:	HUB(8.1M)KU	E5: Call Sign:	
E2: Contact Name:	Eric Khentigan	E6: Phone Number:	2032625000
E3: Street:	2120 River Road	E7: City:	Southbury
E4: State:	0f7266aedbb122008e0b75131f961947	E8: County:	New Haven
		E9: Zip Code:	06488
E10: Area of Operation:	CONUS		
E11: Latitude:	41° 27' 6.2"		
E12: Longitude:	73° 17' 18.1"		
E13: Lat/Lon Coordinates are:	nad-83		
E14: Site Elevation (AMSL):	36.6		

If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement? If NO, provide a technical analysis showing compliance with two-degree spacing policy.	Yes
If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS) or if they operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement?	No
Is Frequency Coordination required?	No
Is coordination with another country required?	No

Is FAA notification required?	No
Is facility operated by remote control?	No

POINTS OF COMMUNICATION

Satellite Name: PERMITTED LIST	
E21. Common Name: PERMITTED LIST	E22. ITU Name: PERMITTED LIST
E23. Orbit Location: GSO	E24. Country: USA

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size (meters)	E41/42. Antenna Gain Transmit and/or Recieve (dBi at GHz)
HUB(8.1M)KU	(8.1M.)KU	1	Vertex	KPK	8.1	undefined at 0

E28. Antenna Id	E33/34. Diameter Minor/Major (meters)	E35. Above Ground Level (meters)	E36. Above Sea Level (meters)	E37. Building Height Above Ground Level (meters)	E38. Total Input Power at Antenna Flange (Watts)	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for all carriers (dBW)
(8.1M.)KU	0/0	8.23	44.83	0	700	0	88.2

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization (H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
(8.1M.)KU	11700 12200	R	null	800KG1F	0	0

E50. Modulation and Services

PSK DIGITAL VIDEO W/ASSOC DIG AUDIO

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization (H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
(8.1M.)KU	14000 14500	T	null	800KG1F	69.11	46.0997

E50. Modulation and Services

PSK DIGITAL VIDEO W/ASSOC DIG AUDIO

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc E/W Limit	E56. Earth Station Azimuth Angle Eastern/Western Limit	E57. Antenna Elevation Angle Eastern/Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
(8.1M.)KU	Geostationary	14000 14500	3 / 112	103.34 / 230.44	5.99 / 28.12	9.03

(8.1M.)KUGeostationary11700
122003 / 112103.34 / 230.445.99 / 28.120

REMOTE CONTROL POINT LOCATION

E61. Call Sign: undefined		E65. Phone Number: undefined	
E62. Street Address: undefined			
E63. City: undefined	E67. County: undefined	E64/68. State/Country: undefined / undefined	E66. Zip Code: undefined

Location of Earth Station Site

E1: Site Identifier:	HUB(1.2M)KU	E5: Call Sign:	
E2: Contact Name:	Eric Khentigan	E6: Phone Number:	2032625000

E3: Street:	2120 River Road	E7: City:	Southbury
E4: State:	0f7266aedbb122008e0b75131f961947	E8: County:	New Haven
		E9: Zip Code:	06488
E10: Area of Operation:	CONUS		
E11: Latitude:	41° 27' 5.4"		
E12: Longitude:	73° 17' 21"		
E13: Lat/Lon Coordinates are:	nad-83		
E14: Site Elevation (AMSL):	36.6		

If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement? If NO, provide a technical analysis showing compliance with two-degree spacing policy.	Yes
If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS) or if they operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement?	N/A
Is Frequency Coordination required?	No
Is coordination with another country required?	No
Is FAA notification required?	No
Is facility operated by remote control?	No

POINTS OF COMMUNICATION

Satellite Name: PERMITTED LIST	
E21. Common Name: PERMITTED LIST	E22. ITU Name: PERMITTED LIST
E23. Orbit Location: GSO	E24. Country: USA

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna Gain Transmit and/or Recieve
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					(meters)	(dBi at GHz)
HUB(1.2M)KU	(1.2M)KU	2	Prodelin	1123	1.2	undefined at 0

E28. Antenna Id	E33/34. Diameter Minor/Major (meters)	E35. Above Ground Level (meters)	E36. Above Sea Level (meters)	E37. Building Height Above Ground Level (meters)	E38. Total Input Power at Antenna Flange (Watts)	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for all carriers (dBW)
(1.2M)KU	0/0	2	38.6	0	1000	0	63.3

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization (H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
(1.2M)KU	14000 14500	T	null	64K0G7W	41.3	29.2588002

E50. Modulation and Services

DIGITAL AUDIO, VIDEO, AND DATA

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization (H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
(1.2M)KU	11700 12200	R	null	64K0G7W	0	0

E50. Modulation and Services

DIGITAL AUDIO, VIDEO, AND DATA

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite	E56. Earth Station Azimuth Angle Eastern/Western	E57. Antenna Elevation Angle Eastern/Western Limit	E60. Maximum EIRP Density
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			Arc E/W Limit	Limit		toward the Horizon (dBW/4kHz)
(1.2M)KU	Geostationary	14000 14500	3 / 112	103.34 / 230.44	5.99 / 28.13	2.64

(1.2M)KUGeostationary11700
122003 / 112103.34 / 230.445.99 / 28.130

REMOTE CONTROL POINT LOCATION

E61. Call Sign: undefined		E65. Phone Number: undefined	
E62. Street Address: undefined			
E63. City: undefined	E67. County: undefined	E64/68. State/Country: undefined / undefined	E66. Zip Code: undefined

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