Date & Time Filed: Jan 27 2006 10:51:37:673AM File Number: SES-MOD-INTR2006-00253

FCC APPLICATION FOR SPACE AND EARTH STATION:MOD OR AMD – MAIN FORM	FCC Use Only
FCC 312 MAIN FORM FOR OFFICIAL USE ONLY	

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:

2 Watt Modification of E950321 and consolidation

Legal Name of Ap	pplicant		
Name:	American General Finance, Inc.	Phone Number:	812-424-8031
DBA Name:		Fax Number:	
Street:	601 N.W. Second Street	E-Mail:	
	P.O. Box 59		
City:	Evansville	State:	IN
Country:	USA	Zipcode:	47701 -0059
Attention:	Don Apple		

9–16. Name of Contact Representative

Name: Elizabeth R. Park Phone Number: 202–637–2200

Company: Latham & Watkins, LLP Fax Number: 202–637–2201

Street: 555 Eleventh Street, NW. E–Mail: elizabeth.park@lw.com

Suite 1000

City: Washington State: DC

Country: USA **Zipcode:** 20004–1304

Attention: Legal Counsel **Relationship:** Same

CLASSIFICATION OF FILING

17. Choose the button next to the classification that applies to this filing for both questions a. and b. Choose only one for 17a and only one for 17b.

a1. Earth Station

a2. Space Station

(N/A) b1. Application for License of New Station

(N/A) b2. Application for Registration of New Domestic Receive-Only Station

 $\ \ \, \bigcirc \ \, (N/A)$ b3. Amendment to a Pending Application

(N/A) b4. Modification of License or Registration

b5. Assignment of License or Registration

b6. Transfer of Control of License or Registration

(N/A) b7. Notification of Minor Modification

(N/A) b8. Application for License of New Receive-Only Station Using Non-U.S. Licensed Satellite

(N/A) b9. Letter of Intent to Use Non-U.S. Licensed Satellite to Provide Service in the United States

(N/A) b10. Other (Please specify)

17c. Is a fee submitted with this application If Yes, complete and attach FCC Form	on? 159. If No, indicate reason for fee exemption (s	ee 47 C.F.R.Section 1.1114).
Governmental Entity Noncomme		,
Other(please explain):		
17d.		
Fee Classification CGV – Fixed Satellite	VSAT System	
18. If this filing is in reference to an existing station, enter:	19. If this filing is an amendment to a pending a modification please enter only the file number:	pplication enter both fields, if this filing is a
(a) Call sign of station: E950321	(a) Date pending application was filed:	(b) File number:
L/30321		SESMOD2005080201028

TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provide	e or use the following type(s) of service(s): Select all that apply:
a. Fixed Satellite	
b. Mobile Satellite	
c. Radiodetermination Satellite	
d. Earth Exploration Satellite	
e. Direct to Home Fixed Satellite	
f. Digital Audio Radio Service	
g. Other (please specify)	
_	
21. STATUS: Choose the button next to the applicable status. Choose	22. If earth station applicant, check all that apply.
only one.	Using U.S. licensed satellites
Common Carrier Non–Common Carrier	Using Non–U.S. licensed satellites
23. If applicant is providing INTERNATIONAL COMMON CARRIER s facilities:	service, see instructions regarding Sec. 214 filings. Choose one. Are these
O Connected to a Public Switched Network Not connected to a	Public Switched Network N/A
24. FREQUENCY BAND(S): Place an 'X' in the box(es) next to all a	pplicable frequency band(s).
a. C–Band (4/6 GHz) b. Ku–Band (12/14 GHz)	
c.Other (Please specify upper and lower frequencies in MHz.)	
Frequency Lower: Frequency Upper: (Please specify addition	nal frequencies in an attachment)

TYPE OF STATION

25. CLASS OF STATION: Choose the button	next to the class of sta	tion that applies. Choose only	one.	
a. Fixed Earth Station				
o b. Temporary–Fixed Earth Station				
o. 12/14 GHz VSAT Network				
d. Mobile Earth Station				
e. Geostationary Space Station				
f. Non–Geostationary Space Station				
g. Other (please specify)				
26. TYPE OF EARTH STATION FACILITY: Transmit/Receive Transmit_Only	♣ Receive_Only	- N/Δ		
Transmit/Receive Transmit-Only "For Space Station applications, select N/A."	O Receive—Only	O N/A		

PURPOSE OF MODIFICATION

27. The purpose of this proposed modification is to: (Place an 'X' in the box(es) next to all that apply.)
a — authorization to add new emission designator and related service
b — authorization to change emission designator and related service
c — authorization to increase EIRP and EIRP density
d — authorization to replace antenna
e — authorization to add antenna
f — authorization to relocate fixed station
g — authorization to change frequency(ies)
h — authorization to add frequency
i — authorization to add Points of Communication (satellites & Double
j — authorization to change Points of Communication (satellites & Samp; countries)
k — authorization for facilities for which environmental assessment and
radiation hazard reporting is required
1 — authorization to change orbit location
m — authorization to perform fleet management
n — authorization to extend milestones
o — Other (Please specify)

ENVIRONMENTAL POLICY

the Commission's rules, 47 C.F.R. 1.1308 and 1.1311, as an exhibit to this application. A Radiation Hazard Study must accompany all applications for new transmitting facilities, major modifications, or major amendments.		Attac	hme	nt C		
ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aeron aeronautical fixed radio station services are not required to respond to Items 30–34.	autic	al en	rou	te or		
29. Is the applicant a foreign government or the representative of any foreign government?	٥	Yes	•	No		
30. Is the applicant an alien or the representative of an alien?	0	Yes	0	No	•	N/A
31. Is the applicant a corporation organized under the laws of any foreign government?	0	Yes	0	No	•	N/A
32. Is the applicant a corporation of which more than one—fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	0	Yes	0	No	•	N/A

O Yes O No

28. Would a Commission grant of any proposal in this application or amendment have a significant environmental

impact as defined by 47 CFR 1.1307? If YES, submit the statement as required by Sections 1.1308 and 1.1311 of

33. Is the applicant a corporation directly or indirectly controlled by any other corporation of which more than one–fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	O Yes O	No 🍙 N/A
34. If any answer to questions 29, 30, 31, 32 and/or 33 is Yes, attach as an exhibit an identification of the aliens or foreign entities, their nationality, their relationship to the applicant, and the percentage of stock they own or vote.		
BASIC QUALIFICATIONS		
35. Does the Applicant request any waivers or exemptions from any of the Commission's Rules? If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.		O No
	Attachment A	
36. Has the applicant or any party to this application or amendment had any FCC station authorization or license revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? If Yes, attach as an exhibit, an explination of circumstances.	⊘ Yes	No

37. Has the applicant, or any party to this application or amendment, or any party directly or indirectly controlling the applicant ever been convicted of a felony by any state or federal court? If Yes, attach as an exhibit, an explination of circumstances.	• Yes	⊚ No
38. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement or any other means or unfair methods of competition? If Yes, attach as an exhibit, an explanation of circumstances	• Yes	No
39. Is the applicant, or any person directly or indirectly controlling the applicant, currently a party in any pending matter referred to in the preceding two items? If yes, attach as an exhinit, an explanation of the circumstances.	• Yes	⊘ No
40. If the applicant is a corporation and is applying for a space station license, attach as an exhibit the names, address, and citizenship of those stockholders owning a record and/or voting 10 percent or more of the Filer's voting stock and the percentages so held. In the case of fiduciary control, indicate the beneficiary(ies) or class of beneficiaries. Also list the names and addresses of the officers and directors of the Filer.		

41. By checking Yes, the undersigned certifies, that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti–Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application" for these purposes.	Yes	O No
42a. Does the applicant intend to use a non–U.S. licensed satellite to provide service in the United States? If Yes, answer 42b and attach an exhibit providing the information specified in 47 C.F.R. 25.137, as appropriate. If No, proceed to question 43.	○ Yes	No
42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, we coordinated or is in the process of coordinating the space station?	hat administr	ration has
43. Description. (Summarize the nature of the application and the services to be provided). (If the complete descriptions, please go to the end of the form to view it in its entirety.) See Attachment A.	on does not a	ppear in this

CERTIFICATION

The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. The applicant certifies that grant of this application would not cause the applicant to be in violation of the spectrum aggregation limit in 47 CFR Part 20. All statements made in exhibits are a material part hereof and are incorporated herein as if set out in full in this application. The undersigned, individually and for the applicant, hereby certifies that all statements made in this application and in all attached exhibits are true, complete and correct to the best of his or her knowledge and belief, and are made in good faith.

	,	6
44	Applicant is a (an): (Choose the button next to applicable response.)	
0	Unincorporated Association Partnership Corporation Governmental Entity	
		46. Title of Person Signing
	Don Apple —->	Vice President, Data Center

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).

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

Location of Earth S	tation Site				
E1: Site Identifier:	1.0 M	E5. Call Sign:	E950321		
E2: Contact Name	Don Apple	E6. Phone Number:	812-468-5724		
E3. Street:		E7. City:			
		E8. County:			
E4. State		E9. Zip Code			
E10. Area of Opera	tion:	CONUS, AK, HI, P	R, VI		
E11. Latitude:	0 °0 '0.0 "				
E12. Longitude:	0 °0 '0.0 "				
E13. Lat/Lon Coord	dinates are:	O NAD-27	○ NAD-83	N/A	
E14. Site Elevation	(AMSL):	0.0 meters			

E15. 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 as a technical analysis showing compliance with two–degree spacing policy.

E16. If the proposed antenna(s) do not operate in the Fixed Satellite Set Satellite Service (FSS) with non–geostationary satellites, do(es) the progain patterns specified in Section 25.209(a2) and (b) as demonstrated by measurements?	O Yes	O No	⊚ N/A	
E17. Is the facility operated by remote control? If YES, provide the loca point.	ation and telephone number of the control	Yes	0	No
E18. Is frequency coordination required? If YES, attach a frequency coordination	ordination report as	O Yes	•	No
E19. Is coordination with another country required? If YES, attach the a coordination contours as	name of the country(ies) and plot of	o Yes	•	No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.1 have you attached a copy of a completed FCC Form 854 and/or the FAZ the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL APPLICATION.	A's study regarding the potential hazard of	O Yes	•	No
POINTS OF COMMUNICATION		!		-
Satellite Name: If you selected OTHER, please enter the following:				
E21. Common Name:	E22. ITU Name:			
E23. Orbit Location:	E24. Country:			
POINTS OF COMMUNICATION (Destination Points)	•			·
E25. Site Identifier:				

E26. Common Name:	E27. Country:

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size <meters></meters>	E41/42. Antenna Gain Transmint and/or Recieve (dBi atGHz)
1.0 M	N/A	0	N/A	0	0.0	0.0 dBi at 0
1.0 M	N/A	0	N/A	0	0.0	0.0 dBi at 0
1.0 M	N/A	0	N/A	0	0.0	0.0 dBi at 0
1.0 M	N/A	0	N/A	0	0.0	0.0 dBi at 0
1.0 M	N/A	0	N/A	0	0.0	0.0 dBi at 0.0
1.0 M	1.0 M	2000	Prodelin	1102	1.0	39.8 dBi at 11.95
1.0 M	1.0 M	2000	Prodelin	1102	1.0	41.0 dBi at 14.25

- 1	Id	Diameter		` ′	Height Above Ground Level	Input Power at	E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for al
	N/A	0.0/0.0	0.0	0.0	0.0	0.0	0.0	0.0

1.0 M	.0/1.0	0.0)	0.0	0.0		2.0		0.0	44.0
FREQUENCY		Į.		_l	I		ļ			
E28. Antenna Id	E43/44. Frequence (MHz)	cy Bands	E45. T/R M	lode	E46. Antenna Polarization(H,V L,R)		Emission nator	I	. Maximum P per Carrier W)	E49. Maximum ERIP Density pe Carrier (dBW/4kHz)
N/A			R		Horizontal and Vertical	0		0.0		0.0
NULL					on does not appear					
N/A	0	0	R		Horizontal and Vertical	0		0.0		0.0
N/A E50. Modulation entirety.) N/A				descripti			x, please go		end of the form	

E50. Modulatio entirety.)	n and Services (I	f the complete descri	iption does not appear i	n this box, please g	o to the end of th	ne form to view it in its
N/A						
N/A	0 0	Т	Horizontal and Vertical	0	0.0	0.0
E50. Modulatio entirety.)	n and Services (I	f the complete descri	iption does not appear i	n this box, please g	o to the end of th	ne form to view it in its
N/A	0 0	Т	Horizontal and Vertical	0	0.0	0.0
E50. Modulatio entirety.)			iption does not appear i			
1.0 M	11700 12200	R	Horizontal and Vertical	6M00G7D	0.0	0.0

E50. Modulation entirety.)	and Services (If the	e complete description	on does not appear in	this box, please go to	the end of the form	to view it in its
QPSK, DATA	, INROUTE, 5 M	SPS				
1.0 M	14000 14500	Т	Horizontal and Vertical	400KG7D	44.0	24.0
E50. Modulation entirety.)	and Services (If the	e complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
QPSK, DATA	, INROUTE 256	KSPS				
1.0 M	11700 12200	R	Horizontal and Vertical	12M00G7D	0.0	0.0
E50. Modulation entirety.)	and Services (If th	e complete description	on does not appear in	this box, please go to	the end of the form	to view it in its
QPSK, DATA	, INROUTE, 10	MSPS				
1.0 M	14000 14500	Т	Horizontal and Vertical	200KG7D	44.0	27.0

E70 M 114	1.0 ' (70.1	1 . 1	1 ,	11111	1 1 0.1	C	
E50. Modulation	and Services (If the	If the complete description does not appear in this box, please go to the end of the form to view it in its					
QPSK, DATA	, INROUTE, 128	KSPS					
1.0 M	14000 14500	Т	Horizontal and Vertical	800KG7D	44.0	21.0	
E50. Modulation entirety.) QPSK, DATA	, INROUTE, 512		on does not appear	in this con, preuse g		ne form to view it in its	
1.0 M	14000 14500	Т	Horizontal and Vertical	1M60G7D	44.0	19.0	
E50. Modulation entirety.) QPSK, DATA	and Services (If the strength of the strength		on does not appear i	n this box, please g	go to the end of th	ne form to view it in its	

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/West ern Limit	E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
N/A	Geostationary	0 0	0.0/0.0	0.0	0.0	0.0	0.0	0.0
	Geostationary	0 0	0.0/0.0	0.0	0.0	0.0	0.0	0.0
1.0 M	Geostationary	11700 12200	62.0/143.0	0.0	5.0	0.0	5.0	0.0
	Geostationary	14000 14500	62.0/143.0	0.0	5.0	0.0	5.0	-8.5

REMOTE CONTROL POINT LOCATION

E61. Call Sign E950321 NOTE: Please enter the callsign of the contro callsign for which this application is being filed.	E66. Phone Number 812–468–5724			
E62. Street Address 601 NW. 2nd Street P.O. Box 59				
E63. City Evansville	E68. County Vanderburgh		E67/68. State/Country IN/ USA	E64. Zip Code 47701

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: 98cm E5. Call Sign: E950321 E2: Contact Name Don Apple E6. Phone 812-468-5724 Number: E3. Street: E7. City: E8. County: E9. Zip Code E4. State E10. Area of Operation: CONUS, AK, HI, PR, VI E11. Latitude: 0 °0 '0.0 " 0 °0 '0.0 " E12. Longitude: E13. Lat/Lon Coordinates are: NAD-27 NAD-83 N/A E14. Site Elevation (AMSL): 0.0 meters

E15. 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 as a technical analysis showing compliance with two–degree spacing policy.

E16. If the proposed antenna(s) do not operate in the Fixed Satellite Set Satellite Service (FSS) with non–geostationary satellites, do(es) the progain patterns specified in Section 25.209(a2) and (b) as demonstrated b measurements?	O Yes	O No	⊚ N/A	
E17. Is the facility operated by remote control? If YES, provide the loca point.	ation and telephone number of the control	Yes	0	No
E18. Is frequency coordination required? If YES, attach a frequency coordination	ordination report as	O Yes	•	No
E19. Is coordination with another country required? If YES, attach the coordination contours as	name of the country(ies) and plot of	O Yes	•	No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.1 have you attached a copy of a completed FCC Form 854 and/or the FAI the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL APPLICATION.	A's study regarding the potential hazard of	O Yes	•	No
POINTS OF COMMUNICATION				
Satellite Name: GALAXY III-C GALAXY III-C 95 W.L. If you s	selected OTHER, please enter the following:			
E21. Common Name:	E22. ITU Name:			
E23. Orbit Location:	E24. Country:			
POINTS OF COMMUNICATION (Destination Points)	•			
E25. Site Identifier:				

E26. Common Name:	E27. Country:

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size <meters></meters>	E41/42. Antenna Gain Transmint and/or Recieve (dBi atGHz)
98cm	98cm	2000	Prodelin	9008668	0.98	0.0 dBi at 0
98cm	98cm	2000	Prodelin	9008668	0.98	0.0 dBi at 0
98cm	98cm	2000	Prodelin	9008668	0.98	0.0 dBi at 0
98cm	98cm	2000	Prodelin	9008668	0.98	39.9 dBi at 11.95
98cm	98cm	2000	Prodelin	9008668	0.98	41.3 dBi at 14.250

Id	Diameter		` ′	Height Above Ground Level	Input Power at	E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for al
98cm	0.98/0.98	0.0	0.0	0.0	2.0	0.0	44.3

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)
98cm	11700 12200	R	Horizontal and Vertical	6M00G7D	0.0	0.0
E50. Modulation entirety.) QPSK, DATA	A, INROUTE, 5 M		uon does not appear ir	i uns box, piease go	to the end of the form	to view it in its
98cm	11700 12200	R	Horizontal and Vertical	12M00G7D	0.0	0.0
E50. Modulation entirety.) QPSK, DATA	and Services (If the A., INROUTE 10 M		tion does not appear ir	this box, please go	to the end of the form	to view it in its
98cm	14000 14500	Т	Horizontal and Vertical	800KG7D	44.3	21.3

E50. Modulation entirety.)	and Services (If the	e complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
QPSK, DATA	INROUTE, 512	KSPS				
98cm	14000 14500	Т	Horizontal and Vertical	200KG7D	44.3	27.3
E50. Modulation entirety.) QPSK, DATA	and Services (If the strength of the strength		on does not appear in	this box, please go to	o the end of the form	to view it in its
98cm	14000 14500	Т	Horizontal and Vertical	400KG7D	44.3	24.3
E50. Modulation entirety.) QPSK, DATA	and Services (If the		on does not appear in	this box, please go to	o the end of the form	to view it in its
98cm	14000 14500	Т	Horizontal and Vertical	1M60G7D	44.3	19.3

E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

QPSK, DATA, INROUTE, 1024 KSPS

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/West ern Limit	Station Azimuth Angle	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
98cm	Geostationary	11700 12200	62.0/143.0	0.0	5.0	0.0	5.0	0.0
	Geostationary	14000 14500	62.0/143.0	0.0	5.0	0.0	5.0	-8.5

REMOTE CONTROL POINT LOCATION

E61. Call Sign E950321 NOTE: Please enter the callsign of the contro callsign for which this application is being filed.	E66. Phone Number 812–468–5724			
E62. Street Address 601 NW. 2nd Street P.O. Box 59				
E63. City Evansville	E68. County Vanderburgh		E67/68. State/Country IN/ USA	E64. Zip Code 47701

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

Location of Earth St	ation Site				
E1: Site Identifier:	1.2 M	E5. Call Sign:	E950321		
E2: Contact Name	Don Apple	E6. Phone Number:	812-468-5724		
E3. Street:		E7. City:			
		E8. County:			
E4. State		E9. Zip Code			
E10. Area of Operat	ion:	CONUS, AK, HI, U	S, VI		
E11. Latitude:	0 °0 '0.0 "				
E12. Longitude:	0 °0 '0.0 "				
E13. Lat/Lon Coord	inates are:	O NAD-27	O NAD-83	● N/A	
E14. Site Elevation	(AMSL):	0.0 meters			

E15. 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 as a technical analysis showing compliance with two–degree spacing policy.

E16. If the proposed antenna(s) do not operate in the Fixed Satellite Set Satellite Service (FSS) with non–geostationary satellites, do(es) the progain patterns specified in Section 25.209(a2) and (b) as demonstrated by measurements?	oposed antenna(s) comply with the antenna	O Yes	O No	⊚ N/A
E17. Is the facility operated by remote control? If YES, provide the loc point.	ation and telephone number of the control	Yes	0	No
E18. Is frequency coordination required? If YES, attach a frequency co	ordination report as	O Yes	•	No
E19. Is coordination with another country required? If YES, attach the coordination contours as	name of the country(ies) and plot of	O Yes	•	No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.1 have you attached a copy of a completed FCC Form 854 and/or the FA. the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL APPLICATION.	A's study regarding the potential hazard of	O Yes	•	No
POINTS OF COMMUNICATION		!		-
Satellite Name: If you selected OTHER, please enter the following:				
E21. Common Name:	E22. ITU Name:			
E23. Orbit Location:	E24. Country:			
POINTS OF COMMUNICATION (Destination Points)	•			
E25. Site Identifier:				

E26. Common Name:	E27. Country:

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size <meters></meters>	E41/42. Antenna Gain Transmint and/or Recieve (dBi atGHz)
1.2 M	1.2 M	2000	Prodelin	1134	1.2	41.5 dBi at 11.95
1.2 M	1.2 M	2000	Prodelin	1134	1.2	43.1 dBi at 14.25

Id	Diameter		, ,	Height Above	Input Power at antenna flange	E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for al
1.2 M	1.2/1.2	0.0	0.0	0.0	2.0	0.0	46.1

FREQUENCY

	E43/44. Frequency Bands (MHz)				EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
1.2 M	11700 12200	R	Horizontal and Vertical	6M00G7D	0.0	0.0

E50. Modulation entirety.)	and Services (If th	e complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
QPSK, DATA	, INROUTE, 5 K	SPS				
1.2 M	14000 14500	Т	Horizontal and Vertical	400KG7D	46.1	26.1
E50. Modulation entirety.) QPSK, DATA	and Services (If the property of the property		on does not appear in	this box, please go to	o the end of the form	to view it in its
1.2 M	11700 12200	R	Horizontal and Vertical	12M00G7D	0.0	0.0
E50. Modulation entirety.) QPSK, DATA	and Services (If the		on does not appear in	this box, please go to	o the end of the form	to view it in its
1.2 M	14000 14500	Т	Horizontal and Vertical	200KG7D	46.1	29.1

E50 Madulation	and Caminas (If the			4hia haw wlassa	4- 41 d £41-	
E50. Modulation entirety.)	and Services (II II	ie complete descriptio	on does not appear i	in this box, please §	go to the end of th	ne form to view it in its
T	, INROUTE, 128	KSPS				
1.2 M	14000 14500	Т	Horizontal and Vertical	800KG7D	46.1	23.1
QPSK, DATA	, INROUTE, 512	KSPS				
1.2 M	14000 14500	Т	Horizontal and Vertical	1M60G7D	46.1	20.1
E50. Modulation entirety.) QPSK, DATA	and Services (If the strength of the strength		on does not appear i	n this box, please s	go to the end of th	ne form to view it in its

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/West ern Limit	Station Azimuth Angle	Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
1.2 M	Geostationary	11700 12200	62.0/143.0	0.0	5.0	0.0	5.0	0.0
	Geostationary	14000 14500	62.0/143.0	0.0	5.0	0.0	5.0	-8.5

REMOTE CONTROL POINT LOCATION

E61. Call Sign E950321 NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.		E66. Phone Number 812–468–5724		
E62. Street Address 601 NW. Second Street P.O. Box 59				
E63. City Evansville	E68. County Vanderburgh		E67/68. State/Country IN/ USA	E64. Zip Code 47701

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

Location of Earth Stat	ion Site				
E1: Site Identifier: 1	.8 M	E5. Call Sign:	E950321		
E2: Contact Name D	Oon Apple	E6. Phone Number:	812-468-5724		
E3. Street:		E7. City:			
		E8. County:			
E4. State		E9. Zip Code			
E10. Area of Operation	on:	CONUS, AK, HI, PI	R, VI		
E11. Latitude: 0	0.0 '0.0 "				
E12. Longitude: 0	0.0 '0.0 "				
E13. Lat/Lon Coordin	nates are:	O NAD-27	O NAD-83	● N/A	
E14. Site Elevation (A	AMSL):	0.0 meters			

E15. 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 as a technical analysis showing compliance with two–degree spacing policy.	● Yes	O No	O N/A
E16. 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(a2) and (b) as demonstrated by the manufacturer's qualification measurements?	O Yes	O No	● N/A

E17. Is the facility operated by remote control? If YES, provide the point.	e location and telephone number of the control	• Yes	O No
E18. Is frequency coordination required? If YES, attach a frequency	y coordination report as	<u> </u>	
E16. Is frequency coordination required: If TES, attach a frequency	y coordination report as	O Yes	No
E19. Is coordination with another country required? If YES, attach coordination contours as	the name of the country(ies) and plot of	O Yes	No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part have you attached a copy of a completed FCC Form 854 and/or the the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 W. APPLICATION.	FAA's study regarding the potential hazard of	O Yes	No
POINTS OF COMMUNICATION		•	
Satellite Name: If you selected OTHER, please enter the following	ng:		
E21. Common Name:	E22. ITU Name:		
E23. Orbit Location:	E24. Country:		
POINTS OF COMMUNICATION (Destination Points)			
E25. Site Identifier:			
E26. Common Name:	E27. Country:		
A NITTENINI A			

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size <meters></meters>	E41/42. Antenna Gain Transmint and/or Recieve (dBi atGHz)	
1.8 M	1.8 M	200	Prodelin	1184	1.8	45.0 dBi at 11.95	
1.8 M	1.8 M	200	Prodelin	1184	1.8	46.7 dBi at 14.25	

- 1	Id	Diameter		` ′	Height Above	Input Power at antenna flange	E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for al
	1.8 M	1.8/1.8	0.0	0.0	0.0	2.0	0.0	49.7

FREQUENCY

	E43/44. Frequency Bands (MHz)	E45. T/R Mode			EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
1.8 M	11700 12200	R	Horizontal and Vertical	6M00G7D	0.0	0.0

E50. Modulation entirety.)	and Services (If the	e complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
QPSK, DATA	, INROUTE, 5 M	SPS				
1.8 M	11700 12200	R	Horizontal and Vertical	12M00G7D	0.0	0.0
E50. Modulation entirety.)	and Services (If the	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
QPSK, DATA	, INROUTE, 10	MSPS				
1.8 M	14000 14500	Т	Horizontal and Vertical	200KG7D	49.7	32.7
E50. Modulation entirety.) QPSK, DATA	and Services (If the property of the property		on does not appear in	this box, please go to	o the end of the form	to view it in its
1.8 M	14000 14500	Т	Horizontal and Vertical	400KG7D	49.7	29.7

E50. Modulation entirety.)	and Services (If t	he complete descri	ption does not appear	in this box, please	go to the end of the	he form to view it in its
QPSK, DATA	., INROUTE, 250	5 KSPS				
1.8 M	14000 14500	Т	Horizontal and Vertical	800KG7D	49.7	26.7
E50. Modulation entirety.) QPSK, DATA	and Services (If t		ption does not appear	in this box, please	go to the end of the	he form to view it in its
1.8 M	14000 14500	Т	Horizontal and Vertical	1M60G7D	49.7	23.7
E50. Modulation entirety.) QPSK, DATA	and Services (If t		ption does not appear	in this box, please	go to the end of the	he form to view it in its

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/West ern Limit	Station Azimuth Angle	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
1.8 M	Geostationary	11700 12200	62.0/143.0	0.0	5.0	0.0	5.0	0.0
	Geostationary	14000 14500	62.0/143.0	0.0	5.0	0.0	5.0	-8.5

REMOTE CONTROL POINT LOCATION

E61. Call Sign E950321 NOTE: Please enter the callsign of the contro callsign for which this application is being filed.	E66. Phone Number 812–468–5724			
E62. Street Address 601 NW. 2nd Street P.O. Box 59	•			
E63. City Evansville	E68. County Vanderburgh		E67/68. State/Country IN/ USA	E64. Zip Code 47701

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

Location of Earth S	tation Site				
E1: Site Identifier:	HUB	E5. Call Sign:	E950321		
E2: Contact Name	Don Apple	E6. Phone Number:	812-468-5724		
E3. Street:	601 NW. Second Street	E7. City:	Evansville		
		E8. County:	Vanderburgh		
E4. State	IN	E9. Zip Code	47701		
E10. Area of Opera	tion:	N/A			
E11. Latitude:	37 °58 '0.0 "N				
E12. Longitude:	87 °35 '0.0 "W				
E13. Lat/Lon Coord	dinates are:	O NAD-27	● NAD-83	O N/A	
E14. Site Elevation	(AMSL):	116.4 meters			

E15. 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 as a technical analysis showing compliance with two–degree spacing policy.	Yes	O No	O N/A
E16. 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(a2) and (b) as demonstrated by the manufacturer's qualification measurements?	O Yes	O No	● N/A

E17. Is the facility operated by remote control? If YES, provide the point.	location and telephone number of the control	O Yes	No
E18. Is frequency coordination required? If YES, attach a frequency	y accordination raport as		
E18. Is frequency coordination required? If TES, attach a frequency	coordination report as	O Yes	No
E19. Is coordination with another country required? If YES, attach to coordination contours as	the name of the country(ies) and plot of	O Yes	No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 2 have you attached a copy of a completed FCC Form 854 and/or the the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WI APPLICATION.	FAA's study regarding the potential hazard of	O Yes	No
POINTS OF COMMUNICATION		•	
Satellite Name: If you selected OTHER, please enter the following	ng:		
E21. Common Name:	E22. ITU Name:		
E23. Orbit Location:	E24. Country:		
POINTS OF COMMUNICATION (Destination Points)	•		
E25. Site Identifier:			
E26. Common Name:	E27. Country:		
A NUTERINIA			

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size <meters></meters>	E41/42. Antenna Gain Transmint and/or Recieve (dBi atGHz)	
HUB	HUB	1	Vertex	6.1 KPK	6.1	55.9 dBi at 11.95	
HUB	HUB	1	Vertex	6.1 KPK	6.1	57.3 dBi at 14.25	

E28. Antenna Id	1		` ′	Height Above	Input Power at	E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for al
HUB	6.1/6.1	6.1	122.5	0.0	350.0	0.0	82.7

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)			Designator	EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
HUB	14000 14500	Т	Horizontal and Vertical	6M00G7D	75.1	43.3

E50. Modulation entirety.)	and Services (If the	e complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
	, INROUTE, 5 M	SPS				
HUB	11700 12200	R	Horizontal and Vertical	200KG7D	0.0	0.0
E50. Modulation entirety.) QPSK, DATA	and Services (If the		on does not appear in	this box, please go to	o the end of the form	to view it in its
HUB	11700 12200	R	Horizontal and Vertical	400KG7D	0.0	0.0
E50. Modulation entirety.) QPSK, DATA	and Services (If the		on does not appear in	this box, please go to	o the end of the form	to view it in its
HUB	11700 12200	R	Horizontal and Vertical	800KG7D	0.0	0.0

E50. Modulation entirety.)	and Services (If	the complete des	scription does not appear	in this box, please	go to the end of th	ne form to view it in its
QPSK, DATA	., INROUTE, 51	2 KSPS				
HUB	14000 14500	Т	Horizontal and Vertical	12M00G7D	78.1	43.3
E50. Modulation entirety.) QPSK, DATA	and Services (If	_	cription does not appear	in this box, please	go to the end of the	ne form to view it in its
HUB	11700 12200	R	Horizontal and Vertical	1M60G7D	0.0	0.0
E50. Modulation entirety.) QPSK, DATA	and Services (If		cription does not appear	in this box, please	go to the end of th	ne form to view it in its

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/West ern Limit	Station Azimuth Angle	E57. Antenna Elevation Angle Eastern Limit	Station Azimuth Angle	Antenna Elevation Angle	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
HUB	Geostationary	11700 12200	62.0/143.0	142.1	38.5	247.0	18.3	0.0
	Geostationary	14000 14500	62.0/143.0	142.1	38.5	247.0	18.3	-13.6

REMOTE CONTROL POINT LOCATION

E61. Call Sign	E66. Phone Number			
NOTE: Please enter the callsign of the contro callsign for which this application is being filed.				
E62. Street Address				
E63. City	E68. County		E67/68. State/Country	E64. Zip Code

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