Speedcast Communications Inc. 60-Day STA

Technical Appendix

- I. Coordination Data Sheet
- II. Draft Form 312 Schedule B

I. Coordination Data Sheet

Micronet Communications, Inc. 812 Lexington Dr Plano, Texas 75075 972-422-7200

File: M2112618

TECHNICAL CHARACTERIS	TICS OF TRANS	MIT RECEIVE	EARTH STATION	:===
Company:	Speedcast Co		s, Inc.	
Site Name, State:	San Juan, PR			
Call Sign:	/ 0.0 \		0.5	
Latitude	(NAD83)	18 22 65 56		
Longitude Elevation AMSL				
Receive Frequency Range		46.06		
Transmit Frequency Range	(MHZ)	4000-420 6227-626	3/6307-6343	
Range of Satellite Orbital Long	(dea W)	112.00	3/6307-6343 114.00	
Range of Azimuths from North	(deg)	253.10	254.18	
Antenna Centerline	(ft/m)	49.00	14.94	
Antenna Elevation Angles	(deg)	34.00	32.01	
Equipment Parameters		Receive	Transmit	. – – –
Antenna Gain, Main Beam	(dbI)	38.00	41.60	
15 DB Half Beamwidth	(deg)	1.75	1.63	
Antennas Receive: AVL TE Transmit: AVL TE				
	(dBW/4KHz)		-16.80	
Max EIRP Main Beam Modulation / Emission Designato	(dBW/4KHz) r DIGITAL		24.80	
Coordination Parameters		 Receive	Transmit	. – – –
				. – – –
Max Greater Circle Distances	(km)	358.26	129.04	
Max Rain Scatter Distances	(km)	552.41	100.00	
Max Interference Power Long Ter	m (dBW/MHz)	-134.60	-130.80	
Max Interference Power Short Te	rm (dBW/MHz)	-129.90	-102.80	
Rain Zone / Radio Zone		1	A	

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: Draft Form for 60-Day STA (Puerto Rico)

1-8. Legal Name of Applicant									
Name:	SpeedCast Communications Inc		Phone Number:		346-274-0629				
DBA Name:			Fax Number	:					
Street:	4400 S. Sam Houston Parkway Ea		E-Mail:		ryan.king@speedcast.com				
City:	Houston		State:		TX				
Country:	USA		Zipcode:		77048 -				
Attention:	Ryan King								
9-16. Name	9-16. Name of Contact Representative								
Name:	Carlos Nalda	Phone Number:		571-332-	-5626				
Company:	LMI Advisors	Fax Number:							
Street:	2550 M Street NW	E-Mail:		cnalda@	lmiadvisors.com				
	Suite 343								
City:	Washington	State:		DC					
Country:	USA	Zipcode:		20036-					
Attention:	Mr. Carlos Nalda	Relationship:		Other					

CLASSIFICATION OF FILING	CLASSIFICATION OF FILING								
17. Choose the button next to the classification									
that applies to this filing for both questions a.	N/A) b1. Application for License of New Station								
and b. Choose only one for 17a and only one	(N/A) b2. Application for Registration of New Domestic Receive-Only Station								
for 17b.	b3. Amendment to a Pending Application								
	b4. Modification of License or Registration								
a1. Earth Station	b5. Assignment of License or Registration								
2. Space Station	b6. Transfer of Control of License or Registration								
	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)								
	(N/A) b11. Application for Earth Station to Access a Non-U.S.satellite Not Currently Authorized to Provide								
	the Proposed Service in the Proposed Frequencies in the United States.								
17c. Is a fee submitted with this application?									
If Yes, complete and attach FCC Form 159									
If No, indicate reason for fee exemption (see 47	C.F.R.Section 1.1114).								
Governmental Entity Noncommercial	educational licensee								
Other(please explain):									
17d.									
Fee Classification: DRAFT FORM									
Tee Classification, DRAPT PORM									
18. If this filing is in reference to an existing	19. If this filing is an amendment to a pending application enter both fields, if this filing is a modification								
station, enter:	please enter only the file number:								
(a) Call sign of station:	(a) Date pending application was filed: (b) File number:								

TYPE OF SERVICE

25. CLASS OF STATION: Choose the button next to the class of station that applies. Choose only one.							
a. Fixed Earth Station							
b. Temporary-Fixed Earth Station							
c. 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/A							
"For Space Station applications, select N/A."							

DUDDOCE OF MODIFICATION

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 & countries)							
j authorization to change Points of Communication (satellites & 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

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 the Commission's Yes No 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.

ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aeronautical en route or aeronautical fixed radio station services are not required to respond to Items 30-34.

1 1	
29. Is the applicant a foreign government or the representative of any foreign government?	○ Yes ◎ No

6/1/2021

one.

a. Fixed Satellite b. Mobile Satellite

30. Is the applicant an alien or the representative of an alien?		Yes	\bigcirc 1	No		N/A
31. Is the applicant a corporation organized under the laws of any foreign government?		Yes		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	O 1	No		N/A
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?	0	Yes	O 1	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.		Yes	• 1	No		
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	• 1	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.	0	Yes	O]	No		
38. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attemptiing 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	O 1	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 1	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	O 1	No		
42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, what adri is in the process of coordinating the space station? Permitted List	ninis	stratio	on has	co	ordi	nated or
43. Description. (Summarize the nature of the application and the services to be provided). Operate an earth station in P	uer	to R	ico.			
43a. Geographic Service Rule Certification By selecting A, the undersigned certifies that the applicant is not subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25.		A				
By selecting B, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will comply with such requirements.		В				
By selecting C, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will not comply with such requirements because it is not feasible as a technical matter to do so, or that, while technically feasible, such services would require so many compromises in satellite design and operation as to make it economically unreasonable. A narrative description and technical analysis demonstrating this claim are attached.	0	C				

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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

Individual Unincorporated Association Partnership	applicant, hereby certifies that all knowledge and belief, and are ma		cation and in all attached exhibits	s are true, complete and correct	to the best	of his or	her
Value of Person Signing Value of			esponse.)				
Value of Person Signing Value of							
Corporation Covernmental Fairity Other please specify) St. Name of Person Signing Ryan King WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FIVE AND OR IMPRISONMENT (U.S. Code, Title 47, Section 1901), AND/OR PERVICATION OR ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 1912), AND/OR PORFETTURE (U.S. Code, Title 47, Section 505). SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B: (Technical and Operational Description) FOR OFFICIAL USE ONLY FOR OFFICIAL USE ONLY FOR OFFICIAL USE ONLY Carolina FS. Street: FS. County: FS. Street: FS. Street: FS. Street: FS. County: FS. Street: FS. Street: FS. County: FS. Street: FS. Street: FS. Street: FS. Street: FS. County: FS. Street: FS. Street:		n					
45. Name of Person Signing 45. Name of Person Signing Vice President & Head of Legal		ш					
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As Name of Person Signing	· - •						
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FOR OFFICIAL USE ONLY Contaction of Earth Station Site	(U.S. Coo	de, Title 18, Section 1001), A	ND/OR REVOCATION OF AN	NY STATION AUTHORIZAT	ΓΙΟN	1ENT	
FOR OFFICIAL USE ONLY Location of Earth Station Site E1. Site Identifier:		SATELLITE EA	RTH STATION AUT	HORIZATIONS			
El: Site Identifier: San Juan, PR E5. Call Sign: E2: Contact Name Raul Acosta E6. Phone Number: 305 914 1283 E3. Street: F7. City: Carolina E3. Street: PR E9. Zip Code 00987 E4. State PR E9. Zip Code 00987 E10. Area of Operation: San Juan, PR E11. Latitude: 18 ° 22 ' 37.4 ° N E12. Longitude: 65 ° 56 ' 27.8 ° W E13. Lau/Lon Coordinates are: NAD-27 NAD-83 N/A E14. Site Elevation (AMSL): NAD-27 NAD-83 N/A E14. Site Elevation (AMSL): 14.04 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 Service (FSS), or if they operate in the Fixed Satellite Servi	FCC	Form 312 - Schedu	le B:(Technical and O	perational Descripti	ion)		
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E1: Site Identifier: San Juan, PR Raul Acosta E6. Phone Number: 305 914 1283 E3. Street: E7. City: E8. County: E8. County: E4. State PR E9. Zip Code 00987 E10. Area of Operation: E11. Latitude: 18° 22' 37.4" N E121. Longitude: 65° 56' 27.8" W E13. Lat/Lon Coordinates are: NAD-27 NAD-83 N/A E14. Site Elevation (AMSL): NAD-27 NAD-83 N/A 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 authority of the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's ereciped in Section 25.209(a) and (b) as demonstrated by the manufacturer's ereciped in Section 25.209(a) and (b) as demonstrated by the manufacturer's ereciped in Section 25.209(a) and (b) as demonstrated by the manufacturer's ereciped in Section 25.209(a) and (b) as demonstrated by the manufacturer's ereciped in Section 25.209(a) and (b) as demonstrated by the manufacturer's ereciped in Section 25.209(a) and (b) as demonstrated by the manufacturer's ereciped in Section 25.209(a) and (b) as demonstrated by the manufacturer's ereciped in Section 25.209(a) and (b) as demonstrated by the manufacturer's ereciped in Section 25.209(a) and (b) as demonstrated by the manufacturer's ereciped in Section 25.209(a) and (b) as demonstrated by the manufacturer's ereciped in Section 25.209(a) and (b) as demonstrated by the manufacturer's ereciped in Section 25.209(a) and (b) as demonstrated by the manufacturer's ereciped in Section 25.209(a) and (b) as demonstrated by the manufacturer's ereciped by the manufacturer's erec		10	or of the cold of the	.1			
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E2. Contact Name Raul Acosta E6. Phone Number: 305 914 1283 E3. Street: E7. City: Carolina E8. County: E4. State PR E9. Zip Code 00987 E10. Area of Operation: San Juan, PR E11. Latitude: 18 ° 22 ' 37.4 " N E12. Longitude: 65 ° 56 ' 27.8 " W E13. Lat/Lon Coordinates are: NAD-27 NAD-83 N/A E14. Site Elevation (AMSL): 14.04 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 Service (FSS), or if they operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) 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) 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 measurements? E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point. Yes No N/A E18. Is frequency coordination required? If YES, attach a frequency coordination report as E19. Is coordination contours as E20. FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and/or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION. Satellite Name: CTHER If you selected OTHER	Location of Earth Station Site						
E3. Street: E4. State PR E9. Zip Code 00987 E10. Area of Operation: E11. Latitude: 18 ° 22 ' 37.4 " N E12. Longitude: 65 ° 56 ' 27.8 " W E13. Lat/Lon Coordinates are: 14.04 meters E15. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) onto operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) onto operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), with non-geostationary satellites, do(es) the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), with non-geostationary satellites, do(es) the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), with non-geostationary satellites, do(es) the proposed antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurements? E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point. Yes No E18. Is frequency coordination required? If YES, attach a frequency coordination report as Yes No E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination required, have you attached a copy of a completed FCC Form 854 and/or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN FOINTS OF COMMUNICATION Satellite Name: OTHER OTHER If you selected OTHER, please enter the foll	E1: Site Identifier:	San Juan, PR	E5. Call Sign:				
E8. County: E4. State PR E9. Zip Code 00987 E10. Area of Operation: E10. Area of Operation: San Juan, PR E111. Latitude: 18 ° 22 ' 37.4 " N E12. Longitude: 65 ° 56 ' 27.8 " W E13. Lat/Lon Coordinates are: NAD-27 NAD-83 N/A E14. Site Elevation (AMSL): 14.04 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 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 measurements? E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point. Yes No N/A E18. Is frequency coordination required? If YES, attach a frequency coordination report as E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination orntours as E20. FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and/or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION. FOINTS OF COMMUNICATION Satellite Name: OTHER OTHER If you selected OTHER, please enter the following: E21. Common Name: EUTELSAT 113WA E22. ITU Name: E23. Orbit Location: 113 W.L.	E2: Contact Name	Raul Acosta	E6. Phone Number:	305 914 1283			
E4. State PR E9. Zip Code 00987 E10. Area of Operation: San Juan, PR E11. Latitude: 18 ° 22 ' 37.4 " N E12. Longitude: 65 ° 56 ' 27.8 " W E13. Lat/Lon Coordinates are: NAD-27 NAD-83 N/A E14. Site Elevation (AMSL): 14.04 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 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 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? Yes No N/A E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point. Yes No E18. Is frequency coordination required? If YES, attach a frequency coordination report as Yes No E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination ontours as E20. FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and/or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION. F	E3. Street:		E7. City:	Carolina			
E10. Area of Operation: E11. Latitude: 18 ° 22 ' 37.4 " N E12. Longitude: 65 ° 56 ' 27.8 " W E13. Lat/Lon Coordinates are: NAD-27 NAD-83 N/A E14. Site Elevation (AMSL): 14.04 meters E15. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with gootstationary satellites, do(es) the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with gootstationary satellites, do(es) the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with gootstationary satellites, do(es) the proposed antenna(s) on 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 Service (FSS), or if they operate in the Fixed Satellite Service (FS			E8. County:				
E11. Latitude: 18 ° 22 ' 37.4 " N E12. Longitude: 65 ° 56 ' 27.8 " W E13. Lat/Lon Coordinates are: NAD-27 NAD-83 N/A E14. Site Elevation (AMSL): 14.04 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 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 responsible. 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(a) and (b) as demonstrated by the manufacturer's qualification established by the manufacturer's qualification or 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 or geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as a technical analysis showing compliance with two-degree spacing policy. E17. Is the facility operated by remote control? If YES, attach a frequency coordination report as Pyes No E18. Is frequency coordination required? If YES, attach the name of the country(ies) and yes No E20. FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and/or the FA	E4. State	PR	=	00987			
E12. Longitude: 65 ° 56 ' 27.8 " W E13. Lat/Lon Coordinates are: NAD-27 NAD-83 N/A E14. Site Elevation (AMSL): 14.04 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 Service (FSS), or if they 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? E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point. E18. Is frequency coordination required? If YES, attach a frequency coordination report as E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as E20. FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and/or the FAA's study regarding the potential hazard of the structure to aviation? FAAL's study regarding the potential hazard of the structure to aviation? STALIURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION. STALIURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION. STALIURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION. STALIUR TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION. E21. Common Name: EUTELSAT 113WA E22. ITU Name: E23. Orbit Location: 113 W.L.	E10. Area of Operation:		San Juan, PR				
E13. Lat/Lon Coordinates are: NAD-27 NAD-83 N/A E14. Site Elevation (AMSL): 14.04 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 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? E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point. E18. Is frequency coordination required? If YES, attach a frequency coordination report as E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as E20. FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA in the fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS), or if they operate	E11. Latitude:						
E14. Site Elevation (AMSL): 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 Service (FSS), or if they operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) compliance with two-degree spacing policy. E17. Is the facility operated by the manufacturer's qualification measurements? E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point. E18. Is frequency coordination required? If YES, attach a frequency coordination report as E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as E20. FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.I13(c)) Where FAA in the faction of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION. OINTS OF COMMUNICATION Satellite Name:OTHER OTHER If you selected OTHER, please enter the following: E21. Common Name: EUTELSAT 113WA E22. ITU Name: E23. Orbit Location: 113 W.L.	E12. Longitude:	65 ° 56 ' 27.8 " W					
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 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? E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point. E18. Is frequency coordination required? If YES, attach a frequency coordination report as E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as E20. FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA motification is required, have you attached a copy of a completed FCC Form 854 and/or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION. OINTS OF COMMUNICATION Satellite Name:OTHER OTHER If you selected OTHER, please enter the following: E21. Common Name: EUTELSAT 113WA E22. ITU Name: E23. Orbit Location: 113 W.L. E24. Country: Mexico	E13. Lat/Lon Coordinates are:		○ NAD-27	NAD-83		\bigcirc N/A	4
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 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? E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point. E18. Is frequency coordination required? If YES, attach a frequency coordination report as E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as E20. FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and/or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION. Satellite Name: OTHER OTHER If you selected OTHER, please enter the following: E21. Common Name: EUTELSAT 113WA E22. ITU Name: E23. Orbit Location: 113 W.L. E24. Country: Mexico	E14. Site Elevation (AMSL):		14.04 meters				
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? E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point. E18. Is frequency coordination required? If YES, attach a frequency coordination report as E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as E20. FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and/or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION. OINTS OF COMMUNICATION Satellite Name: OTHER OTHER If you selected OTHER, please enter the following: E21. Common Name: EUTELSAT 113WA E22. ITU Name: E23. Orbit Location: 113 W.L. E24. Country: Mexico	antenna(s) comply with the anten	na gain patterns specified in S	ection 25.209(a) and (b) as demo	instrated by the manufacturer's	© Yes	○ No	○ N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point. E18. Is frequency coordination required? If YES, attach a frequency coordination report as E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as E20. FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and/or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION. COINTS OF COMMUNICATION Satellite Name: OTHER OTHER If you selected OTHER, please enter the following: E21. Common Name: EUTELSAT 113WA E22. ITU Name: E23. Orbit Location: 113 W.L. E24. Country: Mexico							
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E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as E20. FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and/or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION. FOINTS OF COMMUNICATION Satellite Name: OTHER OTHER If you selected OTHER, please enter the following: E21. Common Name: EUTELSAT 113WA E22. ITU Name: E23. Orbit Location: 113 W.L. E24. Country: Mexico					O Yes		No
Plot of coordination contours as E20. FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and/or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION. COINTS OF COMMUNICATION Satellite Name: OTHER OTHER If you selected OTHER, please enter the following: E21. Common Name: EUTELSAT 113WA E22. ITU Name: E23. Orbit Location: 113 W.L. E24. Country: Mexico	E18. Is frequency coordina	tion required? If YES, at	tach a frequency coordinat	ion report as	O Yes	0	No
E20. FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and/or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION. POINTS OF COMMUNICATION Satellite Name: OTHER OTHER If you selected OTHER, please enter the following: E21. Common Name: EUTELSAT 113WA E22. ITU Name: E23. Orbit Location: 113 W.L. E24. Country: Mexico			If YES, attach the name o	f the country(ies) and	O Yes		No
notification is required, have you attached a copy of a completed FCC Form 854 and/or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION. FOINTS OF COMMUNICATION Satellite Name: OTHER OTHER If you selected OTHER, please enter the following: E21. Common Name: EUTELSAT 113WA E22. ITU Name: E23. Orbit Location: 113 W.L. E24. Country: Mexico	<u>*</u>		1 47 CFR part 25.113(c)) V	Where FAA			
FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION. FOINTS OF COMMUNICATION Satellite Name: OTHER OTHER If you selected OTHER, please enter the following: E21. Common Name: EUTELSAT 113WA E22. ITU Name: E23. Orbit Location: 113 W.L. E24. Country: Mexico	notification is required, h	ave you attached a copy	y of a completed FCC For				
OF THIS APPLICATION. OINTS OF COMMUNICATION Satellite Name:OTHER OTHER If you selected OTHER, please enter the following: E21. Common Name: EUTELSAT 113WA E22. ITU Name: E23. Orbit Location: 113 W.L. E24. Country: Mexico					O Yes		No
Satellite Name: OTHER OTHER If you selected OTHER, please enter the following: E21. Common Name: EUTELSAT 113WA E22. ITU Name: E23. Orbit Location: 113 W.L. E24. Country: Mexico			5 17 AND 25 WILL RESU	JLT IN THE RETURN			
Satellite Name:OTHER OTHER If you selected OTHER, please enter the following: E21. Common Name: EUTELSAT 113WA E22. ITU Name: E23. Orbit Location: 113 W.L. E24. Country: Mexico							
E21. Common Name: EUTELSAT 113WA E22. ITU Name: E23. Orbit Location: 113 W.L. E24. Country: Mexico			OTHER places enter the fo	ollowing:			
E23. Orbit Location: 113 W.L. E24. Country: Mexico		<u>-</u>	OTTIEK, picase enter the 10				
				E24. Country: Mex	XICO		

E25. Site Identifier: San Juan, PR	
E26. Common Name:	E27. Country: USA

ANTENN	٨

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
San Juan, PR	2.4M	1	AvL Technologies	2410	2.4	38.0 dBi at 4.000
San Juan, PR	2.4M	1	AvL Technologies	2410	2.4	42.0 dBi at 6.300

E28. Antenna Id	E33/34. Diameter Minor/Major(meters)	E35. Above Ground Level(meters)	E36. Above	TTaialet Albarya	In must Darries	E39. Maximum Antenna Height Above Rooftop(meters)	E40. lotal
2.4M	0.0/0.0	3.0	14.04	0.0	64.23	0.0	208.35

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)	
2.4M	4000 4200	R	Horizontal and Vertical	35M0G7W	0.0	0.0	
E50. Modulation and Services Digital							
2.4M	6227 6263	T	Horizontal and Vertical	35M0G7W	64.23	24.8	
E50. Modulation and Services Digital							
2.4M	6307 6343	Т	Horizontal and Vertical	35M0G7W	64.23	24.8	
E50. Modulation and Services Digital							

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type		E54/55. Range of Satellite Arc Eastern/Western 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)
2.4M	Geostationary	4000 4200	112.0/114.0	253.1	32.01	254.18	34.0	0.0
	Geostationary	6227 6263	112.0/114.0	253.1	32.01	254.18	34.0	24.8
	Geostationary	6307 6343	112.0/114.0	253.1	32.01	254.18	34.0	24.8

REMOTE CONTROL POINT LOCATION

E61. Call Sign		E66. Phone Num	ber
NOTE: Please enter the callsign of the controlling station, not the cal filed.			
E62. Street Address			
E63. City	E68. County	E67/68. State/Cour	E64. Zip Code

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember - You are not required to respond to a collection of information sponsored by the Federal government, and the

government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.