#### Approved by OMB 3060-0678

Date & Time Filed: Jan 10 2020 4:56:58:163PM File Number: SES-AMD-INTR2020-00078

### 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:

AMENDMENT to ION C-Band Receive Only Earth Stations (File No. SES-REG-20181017-04383)

1-8. Legal Name of Applicant ION Television License, LLC Name: Phone Number: 561-682-4110 DBA Fax Number: Name: Street: 601 Clearwater Park Road E-Mail: biancafrye@ionmedia.com City: West Palm Beach State: FL**USA** Country: Zipcode: 33401 -Attention: 9-16. Name of Contact Representative 727-533-2707 Name: Mark Ruppert Phone Number: Company: ION Media Networks Fax Number: 14444 66th Street North E-Mail: MarkRuppert@ionmedia.com City: Clearwater State: FL Country: **USA** Zipcode: 33764-Attention: Mark Ruppert Relationship: Engineer

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 Domest	ic Receive-Only Station					
for 17b.	b3. Amendment to a Pending Application						
	b4. Modification of License or Registration						
al. Earth Station	b5. Assignment of License or Registration						
a2. Space Station	b6. Transfer of Control of License or Registration						
	b7. Notification of Minor Modification						
	(N/A) b8. Application for License of New Receive-On						
	(N/A) b9. Letter of Intent to Use Non-U.S. Licensed Sa	atellite 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 Prov Proposed Service in the Proposed Frequencies in the United States.						
	Proposed Service in the Proposed Prequencies in the C	inted 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 e							
Other(please explain): Amendment	data in the insec						
(F)							
17d.							
Fee Classification							
18. If this filing is in reference to an existing	19. If this filing is an amendment to a pending application	tion 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:					
N/A							
	10/17/2018	SESREG2018101704383					
	TVPE OF SERVICE						

■ 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)									
	22. If earth station applicant, check all that apply.								
21. STATUS: Choose the button next to the applicable status. Choose only one.	Signature   Station approximation, check all that apply.     Using U.S. licensed satellites								
Common Carrier Non-Common Carrier	Using Non-U.S. licensed satellites								
23. If applicant is providing INTERNATIONAL COMMON CARRIER service, see instructions regarding Sec. 214 filings. Choose one. Are these facilities:									
Connected to a Public Switched Network Not connected to a Public Sw									
24. FREQUENCY BAND(S): Place an 'X' in the box(es) next to all applicable fi	equency band(s).								
<ul><li>✓ a. C-Band (4/6 GHz)</li><li>✓ b. Ku-Band (12/14 GHz)</li></ul>									
c.Other (Please specify upper and lower frequencies in MHz.)									
Frequency Lower: Frequency Upper: (Please specify additional frequency	ies in an attachment)								
TYPE OF	STATION								
25. CLASS OF STATION: Choose the button next to the class of station that app	lies. 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									
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."	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)									
ENVIRONME	NTAL POLICY								
28. Would a Commission grant of any proposal in this application or amendmen									
defined by 47 CFR 1.1307? If YES, submit the statement as required by Sections 1.1308 and 1.1311 of the Commission's rules, Yes No 47 C.F.R. 1.1308 and 1.1311, as an exhibit to this application. A Radiation Hazard Study must accompany all applications for									
47 C.F.R. 1.1308 and 1.1311, as an exhibit to this application. A Radiation Haza:									
47 C.F.R. 1.1308 and 1.1311, as an exhibit to this application. A Radiation Haza new transmitting facilities, major modifications, or major amendments.									

29. Is the applicant a foreign government or the representative of any foreign government?

Yes No

aeronautical fixed radio station services are not required to respond to Items 30-34.

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.

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.

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.

### **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

○ B

C

certifies that all statements ma	de in this application and in all atta	ached exhibits are true, complete	and correct to the best of his or	her knowled	dge and b	elief, and
44. Applicant is a (an): (Choo	se the button next to applicable resp	ponse.)				
Individual						
Unincorporated Associa	ition					
Partnership						
Corporation						
Governmental Entity						
Other (please specify)						
45. Name of Person Signing Mark Ruppert		46. Title of Person Director, Sup	on Signing port Engineering			
	I CE CTATEMENTO MADE ON			DICONNI	ENITE	
(U.S	LSE STATEMENTS MADE ON 5. Code, Title 18, Section 1001), A .S. Code, Title 47, Section 312(a)	ND/OR REVOCATION OF AN	NY STATION AUTHORIZAT	ION	EN I	
	SATELLITE EA	RTH STATION AUT	HORIZATIONS			
$\mathbf{F}$	CC Form 312 - Schedu	le B:(Technical and O	perational Description	on)		
			P	)		
	FC	OR OFFICIAL USE ONL	Y			
T i CD d out of						
Location of Earth Station Site E1: Site Identifier:	Albany TX	E5. Call Sign:	WYPX-TV			
E2: Contact Name	•	E6. Phone Number:	727-533-2707			
E3. Street:	Mark Ruppert 691 Pinnacle Rd.		Voorheesville			
E3. Street:	691 Pinnacie Kd.	E7. City:				
E4 G/ /	NIX	E8. County:	Albany			
E4. State	NY	E9. Zip Code	12186			
E10. Area of Operation:	42 0 20 L 12 2 H N	Voorheesville, NY				
E11. Latitude:	42 ° 38 ' 12.3 " N					
E12. Longitude:	74 ° 0 ' 3.3 " W	0.111.75.05	0.111.75.00		0	
E13. Lat/Lon Coordinates are	:	NAD-27	NAD-83	○ N/A		
E14. Site Elevation (AMSL):		474.0 meters				
antenna(s) comply with the an	s) operate in the Fixed Satellite Ser- tenna gain patterns specified in Sec NO, provide as a technical analysi	ction 25.209(a) and (b) as demons	strated by the manufacturer's	• Yes	○ No	○ N/A
	s) do not operate in the Fixed Satell					
	ationary satellites, do(es) the propos as demonstrated by the manufactur		ntenna gain patterns specified	O Yes	O No	• N/A
E17. Is the facility operated by	remote control? If YES, provide t	he location and telephone number	r of the control point.	O Yes	•	No
	nation required? If YES, atta		<u> </u>	O Yes	•	No
E19. Is coordination with of coordination contours	h another country required? I as	If YES, attach the name of	the country(ies) and plot	O Yes	•	No
E20. FAA Notification	- (See 47 CFR Part 17 and	47 CFR part 25.113(c)) W	here FAA notification			
is required, have you at regarding the potential	ttached a copy of a complet hazard of the structure to Y WITH 47 CFR PARTS	ted FCC Form 854 and/or aviation?	the FAA's study	• Yes	0	No
POINTS OF COMMUNICATION				II		
-	TED LIST     If you selected	OTHER, please enter the	following:			
E21. Common Name:			ITU Name:			
E23. Orbit Location:						
	FION (Doctination Daints)	E24.	Country:			
POINTS OF COMMUNICA	TION (Desunation Points)	1				

E25. Site Identifier:	
E26. Common Name:	E27. Country:

Δ	NT	ſΕ	N	N	A

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
Albany TX	WYPXT01	1	II)H	DH-50- GIB-FXD	5.0	43.8 dBi at 3.7
Albany TX	WYPXT01	1	I   H	DH-50- GIB-FXD	5.0	44.9 dBi at 4.2
Albany TX	WYPXT02	1		DH-38- GIB2-DP	3.8	41.4 dBi at 3.7
Albany TX	WYPXT02	1		DH-38- GIB2-DP	3.8	42.5 dBi at 4.2

E28. Antenna Id	E33/34. Diameter Minor/Major(meters)	E35. Above Ground Level(meters)	E36. Above	E37. Building Height Above Ground Level(meters)	Input Power	E39. Maximum Antenna Height Above Rooftop(meters)	E40. Total
WYPXT01	0.0/0.0	4.8	478.8	0.0	0.0	0.0	0.0
WYPXT02	0.0/0.0	4.2	478.2	0.0	0.0	0.0	0.0

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)
WYPXT01	3700 4200	R	Horizontal	36M0G7F	0.0	0.0
E50. Modul	ation and Services	Digital	video with associated au	idio subcarriers	Modulations	
WYPXT02	3700 4200	R	Horizontal	36M0G7F	0.0	0.0
E50. Modul	ation and Services	Digital	video with associated au	idio subcarriers	Modulations	

#### 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	Antenna Elevation Angle	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
WYPXT01	Geostationary	3700 4200	60.0/143.0	159.79	38.77	255.42	6.8	0.0
WYPXT02	Geostationary	3700 4200	60.0/143.0	159.79	38.77	255.42	6.8	0.0

#### REMOTE CONTROL POINT LOCATION

E61. Call Sign

NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.

E62. Street Address

E63. City E68. County E64. Zip Code

## **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: Atlanta TX E5. Call Sign: WPXA-TV

13/2020		https://li	censing.fcc.gov/ib	fsweb/ib.page.l	FetchForm	n?id_app_	_num=1	32364&form=P0	015_101.ht	m&mode	=display	
E2: Contact N	lame	Mark I	Ruppert		E	6. Phone N	Number:	72	7-533-270	07		
E3. Street:		140 Be	ear Mountain R	oad	E	7. City:		Wa	ıleska			
					E8	8. County	:	Ch	erokee			
E4. State		GA			E	9. Zip Coo	le	30	183			
E10. Area of	Operation:				W	Valeska,	GA					
E11. Latitude:		34 ° 18	8 ' 48.0 " N									
E12. Longitud	le:	84 ° 38	8 ' 55.0 " W									
E13. Lat/Lon	Coordinates	are:				NAD-	27	•	NAD-83		$\circ$	V/A
E14. Site Elevation (AMSL): 709.0 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 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?									turer's	• Yes		○ N/A
			control? If YES, pro					he control point.		O Yes	•	No
E18. Is freq	uency coo	ordination r	equired? If YE	S, attach a fre	quency c	coordina	tion re	port as		O Yes	•	No
			er country requi	red? If YES,	attach the	e name	of the o	country(ies) ar	nd plot	O Yes	•	No
E20. FAA Nis required, regarding t	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.										No	
POINTS OF C	COMMUNI	CATION										
Satellite Na	me:PERN	/ITTED LI	ST   If you sel	ected OTHE	R, please	enter th	ne follo	owing:				
E21. Comm	on Name	:				E2	2. ITU	Name:				
E23. Orbit l							4. Cou					
		CATION (De	estination Points)									
E25. Site Id		CHITO: (D	<u> </u>									
E26. Comm		•					F27	. Country:				
ANTENNA							1027	· country.				
Site ID	E28. itenna Id	E29. Quantity	E30. Manufacture	E31. Model	E32 Anter Siz	nna	E	241/42. Anten Recieve(_	na Gain dBi a		int and GHz)	/or
Atlanta TX WI	PXAT01	1	DH	DH-38- 4PC-AE	3.8	4	1.4 dB	Bi at 3.7				
Atlanta TX WI	PXAT01	1	DH	DH-38- 4PC-AE	3.8	4	2.5 dB	Bi at 4.2				
E28. Antenna Id	Minor/M	. Diameter Iajor(mete	rs) Level(mete	Sea Level(mo	eters) Le		bove d d ters) f	E38. Total Input Power at antenna lange(Watts)	Rooftop	a Heigh ove	EIR EIR	). Total P for al ers(dBW)
WPXAT01			4.0	713.0	0.0	0	O	0.0	0.0		0.0	
FREQUENCY		///	77.45			4=		0.37	———	40.35		
E28. Antenna Id	E43 Frequ Bands	iency	I/R I	Antenna tion(H,V,L,R	Emi	47. ission gnator		8. Maximum EIRP per arrier(dBW)		49. Max Dens Carrier(c	sity per	
WPXAT01		<u> </u>	R Horizont	al	36M00	_	0.0	(=)	0.0	(		
			igital video wit				10.0	ılations	11			
FREQUENCY			<u> </u>									
E28. Antenna Id	E51. Sate Orbit T	ellite E5 ype Free	quency of Sa ts(MHz) Easte	55. Range Itellite Arc rn/Western Limit	E56. Earth Station Azimut	Ant Elev	57. tenna vation ngle	E58. Earth Station Azimuth Angle	E59. Antenna Elevation Angle	a E n	60. Max IRP De toward zon(dB	ensity

E31.

E32.

E30.

Site ID

E28.

E29.

E41/42. Antenna Gain Transmint and/or

	Antenna Id	Quantity	y N	Ianufacture:	Mode	el	Anten Size	ll ll	Recieve(dBi atGHz)				
2 <b>L</b>	WPXHT01	ll .	D	Н	DH-38- 4PC-AE		8	41.	4 dBi at 3.7				
Birminghan X	WPXHT01	1	D	Н	DH-38- 4PC-AF	11 4	.8	42.	5 dBi at 4.2				
E28. Antenna Id	E33/34. Di Minor/Majo			35. Above Ground vel(meters)	E36. Ab Sea Level(me		Heigh Gr	Building at Above ound (meters)	ove Input Power Anten			aximum a Height bove cometers) E40. Total EIRP for all carriers(dBV	
VPXHT01	0.0/0.0		5.2	)	290.2		0.0		0.0	0.0			0.0
REQUENCY	•									!			
E28. Antenna	E43/44. Frequence	ey   T/I	R	E46. An Polarization		NII	E47.	n	48. Maximun EIRP per			Densi	mum ERIP
Id	Bands(MF		ue			De	esignat		Carrier(dBW)			rrier(a	BW/4kHz)
	3700 4200	R		Horizontal			10G7F	0.0			0.0		
	ation and Serv		tal v	video with as	sociated a	udio	subcarı	riers Mo	dulations				
REQUENCY	COORDINAT	ION					- 1		ı ı			ī	
E28. Antenna Id	E51. Satellite Orbit Type		ency		ite Arc Vestern	E5 Ear Stat Azim Ang East Lin	cth ion nuth gle ern	E57. Antenna Elevatio Angle Eastern Limit	n Azimuth Angle	Ai Eld A W	Elevation Angle EIRP De toward		D. Maximum RP Density Oward the On(dBW/4kHz
WPXHT01	Geostationary	3700 42	00	60.0/143.0	) 1	137.76	5 4	1.96	250.03	19.	32	0.0	
	NTROL POINT												
62. Street Ad	uress				E68.	. Count	ty			]	E67/68. St	ate/Coun	try E64. Zip Code
E63. City		<b>C A</b>	Tir		DTH	Tr A Tr	TONT	A TITTE	ODIZATIO	NIC			
63. City	FC			12 - Sched		<b>Techn</b>	nical a	and Op	ORIZATIO erational De		iption)	)	
<u> </u>	F(	CC Forn	1 3	12 - Sched	ule B:(T	Techn ICIA	nical a	and Op	erational Do	escr		)	
ocation of Ea	rth Station Site fier:	Boston	1 3:	12 - Sched	or off	ICIA E5. Cal	L USE	ond Op	erational De	x-T	v	)	
ocation of Ea 11: Site Identi 22: Contact N	rth Station Site fier:	CC Forn	TXRupj	F pert	OR OFF	ICIA  E5. Cal  E6. Pho  E7. City	L USE  Il Sign: one Num y:	ond Op	WBP2 727-5 Hudso	X-T	V 707	)	
ocation of Ea E1: Site Identi E2: Contact N E3. Street:	rth Station Site fier:	Boston Mark F 71 Pari	TXRupj	F pert	OR OFF	ICIA  E5. Cal  E6. Pho  E7. City  E8. Con	L USE  Il Sign: one Num y: unty:	ond Op	WBP 727-5 Hudso Middl	X-TY	V 707	)	
ocation of Ea E1: Site Identi E2: Contact N E3. Street:	rth Station Site fier: ame	Boston Mark F	TXRupj	F pert	or off	E5. Cal E6. Pho E7. Cit; E8. Cou	L USE  Il Sign: one Num y: unty:	ONLY	WBP2 727-5 Hudso	X-TY	V 707	)	
ocation of Ea 21: Site Identi 22: Contact N 23. Street: 24. State 210. Area of O	rth Station Site fier: ame	Boston Mark F 71 Pari	TX	F pert ter Rd.	or off	E5. Cal E6. Pho E7. Cit; E8. Cou	L USE  Il Sign: one Num y: unty:	ONLY	WBP 727-5 Hudso Middl	X-TY	V 707	)	
ocation of Ea E1: Site Identi E2: Contact N E3. Street: E4. State E10. Area of C	rth Station Site fier: ame Operation:	Boston Mark F 71 Pari MA 42 ° 23	TXRuppmen	F Scheduck F F F F F F F F F F F F F F F F F F F	or off	E5. Cal E6. Pho E7. Cit; E8. Cou	L USE  Il Sign: one Num y: unty:	ONLY	WBP 727-5 Hudso Middl	X-TY	V 707	)	
ocation of Ea E1: Site Identi E2: Contact N E3. Street: E4. State E10. Area of O	rth Station Site fier: ame Operation:	Boston Mark F 71 Pari MA 42 ° 23	TXRuppmen	F pert ter Rd.	or off	E5. Cal E6. Pho E7. Cit; E8. Cou E9. Zip Hudso	L USE  Il Sign: one Num y: unty: o Code on, MA	ONLY	WBP2 727-5 Hudso Middl 01749	X-T' 333-2	V 707	)	○ N/A
ocation of Ea E1: Site Identi E2: Contact N E3. Street: E4. State E10. Area of C E11. Latitude: E12. Longitude:	rth Station Site fier: ame  Operation: le: Coordinates are:	Boston Mark F 71 Pari MA 42 ° 23	TXRuppmen	F Scheduck F F F F F F F F F F F F F F F F F F F	OR OFF	E5. Cal E6. Pho E7. Cit; E8. Coi E9. Zip Hudso	Il Sign: one Num y: unty: o Code on, MA	ONLY	WBP 727-5 Hudso Middl	X-T' 333-2	V 707	)	○ N/A
ocation of Ea E1: Site Identi E2: Contact N E3. Street: E4. State E10. Area of O E11. Latitude: E12. Longitude E13. Lat/Lone E14. Site Elev	rth Station Site fier: ame  Operation: e: Coordinates are: ation (AMSL):	Boston Mark F 71 Parr MA 42 ° 23 71 ° 29	TXRuppmen	Feet ter Rd.	or off	E5. Cal E6. Pho E7. Cit; E8. Coi E9. Zip Hudso	L USE  Il Sign: one Num y: unty: o Code on, MA	ONLY	WBP2 727-5 Hudso Middl 01749	X-T' 333-20n eesex	V 707	)	○ N/A

ANTENNA

Site ID

Boston

Boston

E28.

Antenna

Id

TX

TX

E28.

1/13/2020

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)
WBPXT01	3700 4200	R	Horizontal	36M0G7F	0.0	0.0
E50. Modu	lation and Services	Digital	video with associated au	idio subcarriers	Modulations	

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	Hreamency	E54/55. Range of Satellite Arc Eastern/Western Limit	Azimuth	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	Antenna Elevation Angle	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
WBPXT01	Geostationary	3700 4200	60.0/143.0	163.21	39.67	257.29	5.09	0.0

#### REMOTE CONTROL POINT LOCATION

E61. Call Sign E66. Phone Number NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed. E62. Street Address E63. City E68. County E67/68. State/Country E64. Zip Code

#### 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:	Buffalo TX	E5. Call Sig	gn:	WPXJ-TV			
E2: Contact Name	Mark Ruppert	E6. Phone N	Numbe	r: 727-533-270	7		
E3. Street:	2034 Folsomdale Rd.	E7. City:		Cowlesville			
		E8. County:		Wyoming			
E4. State	NY	E9. Zip Cod	de	14037			
E10. Area of Operation:		Cowlesvi	lle, N	Y			
E11. Latitude:	42 ° 46 ' 52.68 " N						
E12. Longitude:	78 ° 27 ' 26.95 " W						
E13. Lat/Lon Coordinates are:		O NAD-	27	NAD-83		$\circ$ $V$	J/A
E14. Site Elevation (AMSL):		432.0 met	ers				
antenna(s) comply with the ante	operate in the Fixed Satellite Service (FSS) with some gain patterns specified in Section 25.209(a IO, provide as a technical analysis showing control of the section 25.209 (a IO).	a) and (b) as	demon	strated by the manufacturer's	• Yes	○ No	O N/A
Service (FSS) with non-geostati	do not operate in the Fixed Satellite Service (Fonary satellites, do(es) the proposed antenna(s demonstrated by the manufacturer's qualificat	) comply wit	h the a	ntenna gain patterns specified	O Yes	○ No	• N/A
E17. Is the facility operated by 1	remote control? If YES, provide the location as	nd telephone	numbe	er of the control point.	O Yes	•	No
E18. Is frequency coordin	ation required? If YES, attach a frequ	ency coord	linatio	on report as	O Yes	•	No
E19. Is coordination with of coordination contours a	another country required? If YES, attass	ach the nar	ne of	the country(ies) and plot	O Yes	•	No
is required, have you att regarding the potential h FAILURE TO COMPLY OF THIS APPLICATIO		orm 854 a	nd/o	r the FAA's study	Yes	0	No
POINTS OF COMMUNICATI	ION						
Satellite Name:PERMITT	TED LIST     If you selected OTHER,	please ente	er the	following:			
E21. Common Name:			E22.	ITU Name:			
E23. Orbit Location:			E24.	Country:			
POINTS OF COMMUNICATI	ION (Destination Points)						
E25. Site Identifier:							

### ANTENNA

E26. Common Name:

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
Buffalo TX	WPXJT01	1	I   H	DH-50- GIB-FXD	5.0	43.8 dBi at 3.7
Buffalo TX	WPXJT01	1	II)H	DH-50- GIB-FXD	5.0	44.9 dBi at 4.2
Buffalo TX	WPXJT02	1	II)H I	DH-38- GIB2-DP	3.8	41.4 dBi at 3.7
Buffalo TX	WPXJT02	1	I	DH-38- GIB2-DP	3.8	42.5 dBi at 4.2

E27. Country:

E28.	E33/34. Diameter	E35. Above	E36. Above	E37. Building	E38. Total	E39. Maximum	E40. Total
Antenna	Minor/Major(meters)	Ground	Sea	Height Above	Input Power	Antenna Height	EIRP for al
Id		Level(meters)	Level(meters)				carriers(dBW)

				Ground Level(meters)	at antenna flange(Watts)	Above Rooftop(meters)	
WPXJT01	0.0/0.0	5.2	437.2	0.0	0.0	0.0	0.0
WPXJT02	0.0/0.0	4.7	436.7	0.0	0.0	0.0	0.0

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)		
WPXJT01	3700 4200	R	Horizontal	36M0G7F	0.0	0.0		
E50. Modu	E50. Modulation and Services Digital video with associated audio subcarriers Modulations							
WPXJT02	VPXJT02 3700 4200   R   Horizontal   36M0G7F   0.0   0.0							
E50. Modu	E50. Modulation and Services Digital video with associated audio subcarriers Modulations							

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	i Breamency i	E54/55. Range of Satellite Arc Eastern/Western Limit	A 71m11fh	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)
WPXJT01	Geostationary	3700 4200	60.0/143.0	153.83	37.2	252.08	9.92	0.0
WPXJT02	Geostationary	3700 4200	60.0/143.0	153.83	37.2	252.08	9.92	0.0

REMOTE CONTROL POINT LOCATION

E61. Call Sign		E66. Phone Number	
NOTE: Please enter the callsign of the controlling station, not the calls	ign for which this application is being filed.		
E62. Street Address			
E63. City	E68. County	E67/68. State/Country	E64. Zip Code
	-	/	

# **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:	Cedar Rapids TX	E5. Call Sign:	KPXR-TV					
E2: Contact Name	Mark Ruppert	E6. Phone Number:	727-533-2707					
E3. Street:	5012 31st Ave.	E7. City:	Walker					
		E8. County:	Benton					
E4. State	IA	E9. Zip Code	52352					
E10. Area of Operation:		Walker, IA						
E11. Latitude:	42 ° 17 ' 42.72 " N							
E12. Longitude:	91 ° 53 ' 12.26 " W							
E13. Lat/Lon Coordinates are:	E13. Lat/Lon Coordinates are: NAD-27 NAD-83				○ N/A			
E14. Site Elevation (AMSL):		320.0 meters						
antenna(s) comply with the anten	E15. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed intenna(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.							
16. If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite ervice (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified a Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurements?								
E17. Is the facility operated by re	7. 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	O Yes	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	O 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 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.	Yes	O No

## POINTS OF COMMUNICATION

Satellite Name:PERMITTED LIST     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. Manufacture	E31. Model	E32. Antenna Size	E41/42. Ante Recieve	enna Gain Transm (dBi at	nint and/or GHz)
Cedar Rapids TX	KPXRT01	1	Comtech	Unknown	5.0	43.8 dBi at 3.7		
Cedar Rapids TX	KPXRT01	1	Comtech	Unknown	5.0	44.9 dBi at 4.2		
Cedar Rapids TX	KPXRT02	1	DH	Unknown	3.7	41.2 dBi at 3.7		
Cedar Rapids TX	KPXRT02	1	DH	Unknown	3.7	42.3 dBi at 4.2		
E28. Antenna Id	E33/34. Dia Minor/Major	meter (meters)	E35. Above Ground Level(meters)	E36. Above Sea Level(meter	∥Height Ab	0	E39. Maximum Antenna Height Above Rooftop(meters)	E40. Total EIRP for al carriers(dBW)
KPXRT01	0.0/0.0	ľ	7.0	327.0	0.0	0.0	0.0	0.0
KPXRT02	0.0/0.0		5.0	325.0	0.0	0.0	0.0	0.0

## 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)		
KPXRT01	3700 4200	R	Horizontal	36M0G7F	0.0	0.0		
E50. Modu	lation and Services	Digital	video with associated a	udio subcarrier	s Modulations			
KPXRT02	KPXRT02 3700 4200 R Horizontal 36M0G7F 0.0 0.0							
E50. Modu	lation and Services	Digital	video with associated a	udio subcarrier	s Modulations			

## FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	Hraquanev	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)
KPXRT01	Geostationary	3700 4200	60.0/143.0	137.24	31.5	241.51	19.53	0.0
KPXRT02	Geostationary	3700 4200	60.0/143.0	137.24	31.5	241.51	19.53	0.0

#### REMOTE CONTROL POINT LOCATION

E61. Call Sign

NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.

E62. Street Address			
E63. City	E68. County	E67/68. State/Country	E64. Zip Code

# 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:	Charleston TX	E5. Call Sign:	WLPX-TV					
E2: Contact Name	Mark Ruppert	E6. Phone Number:	727-533-27	07				
E3. Street:	9050 Barkers Ridge Road	E7. City:	Ona					
		E8. County:	Cabell					
E4. State	WV	E9. Zip Code	25545					
E10. Area of Operation:		Ona, WV						
E11. Latitude:	38 ° 30 ' 20.25 " N							
E12. Longitude:	82 ° 12 ' 33.83 " W							
E13. Lat/Lon Coordinates are	:	○ NAD-27	● NAD-83	3	01	J/A		
E14. Site Elevation (AMSL):		296.2 meters						
antenna(s) comply with the an	s) operate in the Fixed Satellite Service (FSS) with g tenna gain patterns specified in Section 25.209(a) ar NO, provide as a technical analysis showing compli	nd (b) as demonstrated by the mar	nufacturer's	• Yes	○ No	○ N/A		
Service (FSS) with non-geosta	s) do not operate in the Fixed Satellite Service (FSS) tionary satellites, do(es) the proposed antenna(s) coas demonstrated by the manufacturer's qualification	mply with the antenna gain patter		O Yes	○ No	● N/A		
E17. Is the facility operated by	remote control? If YES, provide the location and to	elephone number of the control po	oint.	O Yes	•	No		
E18. Is frequency coordi	nation required? If YES, attach a frequenc	y coordination report as		O Yes	•	No		
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as						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 COMMUNICAT								
Satellite Name:PERMIT	Satellite Name: PERMITTED LIST     If you selected OTHER, please enter the following:							

Satellite Name: PERMITTED LIST     If you selected OTHER, please enter the following:					
E21. Common Name: E22. ITU Name:					
E23. Orbit Location:	E24. Country:				

## POINTS OF COMMUNICATION (Destination Points)

TOTAL CLASSIC CONTROL CONTROL (Destination Forms)	1
E25. Site Identifier:	
E26. Common Name:	E27. Country:

#### ANTENNA

Site ID			E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
Charleston TX	WLPXT01	1	DL	DH-50	5.0	43.8 dBi at 3.7
171	WLPXT01		DL	DH-50	5.0	44.9 dBi at 4.2
Charleston TX	WLPXT02	1	DL	DH-38	3.8	41.4 dBi at 3.7

Charleston TX	WLPXT02 1	DL	DH-38	3.8	42.5	dBi at 4.2		
E28. Antenna Id	E33/34. Diameter Minor/Major(meters)	E35. Above Ground Level(meters)	E36. Ab Sea Level(me	ove	E37. Buildir Height Abov Ground Level(meter	ve Input Power	E39. Maximum Antenna Height Above Rooftop(meters)	E40. Total EIRP for al carriers(dBW)
WLPXT01	0.0/0.0	6.0	302.2		0.0		0.0	0.0
WLPXT02	0.0/0.0	5.0	301.2		0.0	0.0	0.0	0.0

E28. Antenna Id	E43/44. Frequency Bands(MHz)	E45. T/R Mode	PAI9TI79TIAN/H V I . R I	E47. Emission Designator	E48. Maximum EIRP per Carrier(dBW)	E49. Maximum ERIP Density per Carrier(dBW/4kHz)	
WLPXT01	3700 4200	R	Horizontal	36M0G7F	0.0	0.0	
E50. Modul	ation and Services	Digital	video with associated au	idio subcarriers	Modulations		
WLPXT02 3700 4200   R   Horizontal   36M0G7F   0.0   0.0							
E50. Modul	ation and Services	Digital	video with associated au	idio subcarriers	Modulations		

FREQUENCY COORDINATION

	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	Antenna Elevation Angle	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
WLPXT01	Geostationary	3700 4200	60.0/143.0	146.75	39.74	250.81	14.08	0.0
WLPXT02	Geostationary	3700 4200	60.0/143.0	146.75	39.74	250.81	14.08	0.0

REMOTE CONTROL POINT LOCATION

E61. Call Sign

NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.

E62. Street Address

Eoz. Street Hadres

E63. City E68. County E64. Zip Code

## **SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)**

#### FOR OFFICIAL USE ONLY

Location of Earth Station Site	Location of Earth Station Site									
E1: Site Identifier:	Cleveland TX	E5. Call Sign:	WVPX-TV							
E2: Contact Name	Mark Ruppert	E6. Phone Number:	727-533-2707							
E3. Street:	1764 Wadsworth Rd.	E7. City:	Akron							
		E8. County:	Summit							
E4. State	ОН	E9. Zip Code	44320							
E10. Area of Operation:		Akron, OH								
E11. Latitude:	41 ° 3 ' 20.8 " N									
E12. Longitude:	81 ° 35 ' 37.9 " W									
E13. Lat/Lon Coordinates are:		ONAD-27	NAD-83	○ N/A						
E14. Site Elevation (AMSL):		297.0 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 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 location and telephone number of the control point.	O Yes	•	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	O Yes	•	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	O 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 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.	• Yes	0	No

## POINTS OF COMMUNICATION

Satellite Name: PERMITTED LIST     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	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
111	WVPXT01		II)H	DH-50- GIB2-DP	5.0	43.8 dBi at 3.7
121	WVPXT01		II)H	DH-50- GIB2-DP	5.0	44.9 dBi at 4.2
111	WVPXT02		II)H	DH-50- GIB-FXD	5.0	43.8 dBi at 3.7
Cleveland TX	WVPXT02	1	II ) H	DH-50- GIB-FXD	5.0	44.9 dBi at 4.2

E28. Antenna Id	E33/34. Diameter Minor/Major(meters)	E35. Above Ground Level(meters)	E36. Above	E37. Building Height Above Ground Level(meters)	Input Power	E39. Maximum Antenna Height Above Rooftop(meters)	E40. 10tai
WVPXT01	0.0/0.0	4.0	301.0	0.0	0.0	0.0	0.0
WVPXT02	0.0/0.0	4.0	301.0	0.0	0.0	0.0	0.0

## FREQUENCY

E28. Antenna Id	Antenna Frequency Id Bands(MHz)		E46. Antenna Polarization(H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier(dBW)	E49. Maximum ERIP Density per Carrier(dBW/4kHz)
WVPXT01 3700 4200 R		R	Horizontal	36M0G7F	0.0	0.0
E50. Modul	ation and Services	Digital	video with associated au	idio subcarriers	s Modulations	
WVPXT02 3700 4200   R   Horizontal   36M0G7F   0.0   0.0						0.0
E50. Modul	ation and Services	Digital	video with associated au	idio subcarriers	Modulations	

## 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	Antenna Elevation Angle	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
WVPXT01	Geostationary	3700 4200	60.0/143.0	148.92	37.64	250.3	12.75	0.0
WVPXT02	Geostationary	3700 4200	60.0/143.0	148.92	37.64	250.3	12.75	0.0

Dallas

KPXDT01

P	EN	AO'	$\Gamma E$	CON	TROL	POINT	I.	OCA	OIT	N
N		MV.	LL	COD	IINUL			$\mathbf{U} \mathbf{U} \mathbf{H}$		

E61. Call	Sign	OINT LOCA	HON				E66. Phone	Number			
	TE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.										
		allsign of the c	ontrolling station, n	ot the callsign fo	or which this ap	plication is being fi	led.				
E62. Stree	et Address										
E63. City				E68.	County		E67/6	58. State/Cou	ntry E6	4. Zip Code	
			SATELLITE rm 312 - Sch					ion)			
FOR OFFICIAL USE ONLY											
Location	of Earth Station	Site									
E1: Site I	dentifier:	Dalla	s TX		E5. Call Sig	n:	KPXD-TV				
E2: Conta	act Name	Mark	Ruppert		E6. Phone N	lumber:	727-533-27	07			
E3. Stree	t:	1450	W. Beltline Rd.		E7. City:		Cedar Hill				
					E8. County:		Dallas				
E4. State		TX			E9. Zip Cod		75104				
	a of Operation:	22.00	25 1 2 4 2 6 11 2 1		Cedar Hil	l, TX					
E11. Lati			35 ' 24.36 " N								
E12. Lon	C		58 ' 23.16 " W		ONAD	27	@ NAD 02			.T/A	
	Lon Coordinate				NAD-252.8 meter		NAD-83			N/A	
E14. Site Elevation (AMSL): 252.8 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 th	ie antenna gair	in the Fixed Satellit patterns specified ide as a technical ar	in Section 25.209	9(a) and (b) as	demonstrated by the	e manufacturer's	• Yes	○ No	○ N/A	
Service (F	SS) with non-go	eostationary sa	perate in the Fixed stellites, do(es) the per strated by the manuf	proposed antenna	a(s) comply wit	h the antenna gain p		○ Yes	○ No	N/A	
E17. Is the	e facility operate	ed by remote c	ontrol? If YES, pro	vide the location	and telephone	number of the contr	rol point.	O Yes	•	No	
E18. Is 1	frequency co	ordination r	equired? If YES	, attach a frec	quency coord	lination report a	s	O Yes	•	No	
	coordination lination conto		r country requir	ed? If YES, a	ttach the nar	ne of the countr	y(ies) and plot	O Yes	•	No	
is requi regardi FAILU	red, have yo ng the poten	u attached tial hazard 1PLY WIT	7 CFR Part 17: a copy of a con of the structur H 47 CFR PAR	npleted FCC re to aviation	Form 854 a ?	nd/or the FAA	's study	• Yes		No	
POINTS (	OF COMMUNI	ICATION									
Satellite	Name:PERN	MITTED LI	ST     If you sele	ected OTHER	k, please ente	er the following:					
E21. Co	E21. Common Name: E22. ITU Name:										
E23. Or	E23. Orbit Location: E24. Country:										
		ICATION (De	estination Points)								
E25. Site Identifier:											
	E26. Common Name: E27. Country:										
ANTENN	ANTENNA										
Site ID Antenna Id Quantity Manufacturer E31. Model Size E41/42. Antenna Gai Recieve(dB									int an GHz)	d/or	

DH

DH-50-

GIB-FXD

5.0

43.8 dBi at 3.7

Dallas TX	KPXDT01	1		DH-50- GIB-FXD	5.0	44.9 dBi at 4.2
Dallas TX	KPXDT02	1	DH	38DH1	3.8	41.4 dBi at 3.7
Dallas	KPXDT02	1	DH	38DH1	3.8	42.5 dBi at 4.2

E28. Antenna Id	E33/34. Diameter Minor/Major(meters)	E35. Above Ground Level(meters)	E36. Above	E37. Building Height Above Ground Level(meters)	Innut Power	E39. Maximum Antenna Height Above Rooftop(meters)	E40. Iotai
KPXDT01	0.0/0.0	7.0	259.8	0.0	0.0	0.0	0.0
KPXDT02	0.0/0.0	4.8	257.6	0.0	0.0	0.0	0.0

E28. Antenna Id	ntenna Frequency T/R Id Bands(MHz) Mod		F46 Antenna	E47. Emission Designator	E48. Maximum EIRP per Carrier(dBW)	E49. Maximum ERIP Density per Carrier(dBW/4kHz)	
KPXDT01	3700 4200	R	Horizontal	36M0G7F	0.0	0.0	
E50. Modu	lation and Services	Digital	video with associated at	udio subcarriers	s Modulations		
KPXDT02   3700 4200   R   Horizontal   36M0G7F   0.0   0.0							
E50. Modu	lation and Services	Digital	video with associated at	idio subcarriers	Modulations		

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	Hreamency	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	Antenna Elevation Angle	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
KPXDT01	Geostationary	3700 4200	60.0/143.0	125.59	35.21	242.54	28.17	0.0
	Geostationary		60.0/143.0	125.59	35.21	242.54	28.17	0.0

REMOTE CONTROL POINT LOCATION

E61. Call Sign

NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.

E62. Street Address

E63. City E68. County E64. Zip Code

## **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: Denver TX E5. Call Sign: KPXC-TV
E2: Contact Name Mark Ruppert E6. Phone Number: 727-533-2707
E3. Street: 6800 County Rd. 17 E7. City: Ft. Lupton

E8. County: Weld

E4. State CO E9. Zip Code 80621

E10. Area of Operation: Ft. Lupton, CO

E11. Latitude: 40 ° 5 ' 47.76 " N E12. Longitude: 104 ° 54 ' 6.48 " W

E13. Lat/Lon Coordinates are: NAD-27 NAD-83 N/A

/13/2020		https://l	licensin	g.fcc.gov/ibfs	web/ib.page	e.FetchForm	?id_a	app_n	num=1	32364&form=F	015_1	01.htm8	&mode	=display	
E14. Site E	levation (AMS	L):				1551.4	1 met	ers							
antenna(s) c	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.									3	Yes	○ No	○ N/A		
Service (FS	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 specific in Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurements?									d	Yes	O No	● N/A		
E17. Is the f	acility operated	d by remote	control?	? If YES, provi	ide the locati	ion and telep	hone	numb	er of t	he control point.			Yes	•	No
E18. Is fro	equency coo	rdination 1	require	ed? If YES,	attach a fi	requency of	oord	linati	on re	eport as		0	Yes	•	No
	ordination v		er cou	ntry require	d? If YES	, attach the	e nan	ne of	f the o	country(ies) a	nd pl	ot	Yes	•	No
E20. FAA is require regarding FAILUR	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.									•	Yes	0	No		
	Name:PERM		ICTII	If you selec	ted OTHI	FR please	ente	r the	follo	wing:					
	mon Name:		151	11 you select	200 0 1111	Erc, picase				Name:					
	t Location:	•							. Cou						
	COMMUNIC	CATION (D	estinat	ion Points)				L:24.	Cou	шиу.					
E25. Site		CATION (D	Cstinati	ion i omes)					1						
	mon Name:								E27	. Country:					
ANTENNA	inon i vaine.								1027	· country.					
Site ID	E28. Antenna Id	E29. Quantity	y Ma	E30. nufacturer	E31. Model	E32. Antenna	Size		E	41/42. Anten Recieve(_		ain Tra Bi at _		int and GHz)	/or
Denver TX	KPXCT01	1	DH		38DH1	3.8		41.4	l dBi	at 3.7					
Denver TX	KPXCT01	1	DH		38DH1	3.8		42.5	dBi	at 4.2					
E28. Antenna Id	Minor/Ma	. Diametei ajor(mete	r rs) Le	E35. Above Ground evel(meters		a He	eight Gro vel(1	und	rs) fl	E38. Total Input Power at antenna lange(Watts)	Anto	Abov	leight e	EIR Carrie	). Total P for al ers(dBW)
KPXCT0			4.8	8	1556.2	0.0	)		0	.0	0.0			0.0	
FREQUENC		44	D 45			Т.		_	E 4	0.34	ï	E 40	3.7		EDID
E28. Antenna Id	E43/ Frequ Bands(	ency	E45. T/R Mode	E46. A Polarizatio	ntenna n(H,V,L,l	R) E4 Emis Desig	ssion			8. Maximum EIRP per arrier(dBW)			Den	dimum sity per dBW/4	•
KPXCT0	1 3700 4200	) F	₹	Horizontal		36M0C	7F	0	.0		0.	.0			
E50. Mod	ulation and	Services I	Digital	video with	associated	l audio sul	carr	iers l	Modu	ılations					
FREQUEN	CY COORDIN	NATION		1						1					
E28. Antenna Id	Orbit 1y	pe Limit	52/53. quenc ts(MH	of Sate Eastern Li	. Range llite Arc /Western mit	E56. Earth Station Azimutl Angle Eastern Limit	ı E	E5' Anter Cleva Ang Easte Lim	nna tion gle ern	E58. Earth Station Azimuth Angle Western Limit	Ante Elev An Wes	59. enna ation agle stern mit	Horiz	50. Maz SIRP Do toward zon(dB	ensity
	KPXCT01   Geostationary   3700 4200   60.0/143.0   122.88   24.96   230.6   29.47   0.0														
E61. Call Si	CONTROL PO	DINT LOCA	ATION							E	6 Dl	ne Numb	205		
Eo1. Call Si	R11									Eo	o. rnoi	ie inumi	)CI		
	se enter the cal	llsign of the	controll	ing station, no	t the callsigr	n for which t	nis ap	plicat	ion is	being filed.					
E62. Street	Address		·												

E68. County

||E67/68. State/Country ||E64. Zip Code

## 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:	Des Moines TX	E5. Call Sign:	KFPX-TV					
E2: Contact Name	Name Mark Ruppert E6. Phone Number: 727-533-270		727-533-2707					
E3. Street:	310 NW 134th. Ave.	E7. City:	Alleman					
		E8. County:	Polk					
E4. State	IA	E9. Zip Code	50007					
E10. Area of Operation:		Alleman, IA						
E11. Latitude:	41 ° 48 ' 29.85 " N							
E12. Longitude:	93 ° 37 ' 16.66 " W							
E13. Lat/Lon Coordinates are:		NAD-27	NAD-83		$\circ$ N	/A		
E14. Site Elevation (AMSL):		295.7 meters						
E15. If the proposed antenna(s) antenna(s) comply with the antenqualification measurement? If N	nanufacturer's	• Yes	○ No	○ N/A				
Service (FSS) with non-geostation	do not operate in the Fixed Satellite Service (onary satellites, do(es) the proposed antenna(demonstrated by the manufacturer's qualification)	s) comply with the antenna gain pa		O Yes	○ No	● N/A		
E17. Is the facility operated by r	remote control? If YES, provide the location a	and telephone number of the contro	l point.	O Yes	•	No		
E18. Is frequency coordinate	ation required? If YES, attach a frequ	uency coordination report as		O Yes	•	No		
E19. Is coordination with of coordination contours a	(ies) and plot	O Yes	•	No				
is required, have you atta regarding the potential h FAILURE TO COMPLY OF THIS APPLICATIO	20. 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 egarding the potential hazard of the structure to aviation?  AILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.							
POINTS OF COMMUNICATI								
Satellite Name:PERMITT	Satellite Name: PERMITTED LIST     If you selected OTHER, please enter the following:							

## E21. Common Name: E23. Orbit Location:

POINTS OF COMMUNICATION (Destination Points)						
E25. Site Identifier:						
E26. Common Name:	E27. Country:					

E22. ITU Name:

E24. Country:

## ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
Des Moines TX	KFPXT01	1	Comtech	Unknown	5.0	43.8 dBi at 3.7
Des Moines TX	KFPXT01	1	Comtech	Unknown	5.0	44.9 dBi at 4.2
Des Moines	KFPXT02	1	Comtech	Unknown	5.0	43.8 dBi at 3.7

Moines TX	KFPXT02	Comtech	Unknown 5.0	)  44.9	9 dB1 at 4.2		
E28. Antenna Id	E33/34. Diameter Minor/Major(meters)	E35. Above Ground Level(meters)	E36. Above Sea Level(meters)	III ai aib 4 A b avva	Immust Dayron	E39. Maximum Antenna Height Above Rooftop(meters)	E40. 10tai
KFPXT01	0.0/0.0	6.0	301.7	0.0	0.0	0.0	0.0
KFPXT02	0.0/0.0	6.0	301.7	0.0	0.0	0.0	0.0

1/13/2020

TX Des

E28. Antenna Id	nna Frequency T/F Bands(MHz) Mod		E46. Antenna	E47. Emission Designator	E48. Maximum EIRP per Carrier(dBW)	E49. Maximum ERIP Density per Carrier(dBW/4kHz)			
KFPXT01	3700 4200	R	Horizontal	36M0G7F	0.0	0.0			
E50. Modu	E50. Modulation and Services Digital video with associated audio subcarriers Modulations								
KFPXT02	KFPXT02 3700 4200 R Horizontal 36M0G7F 0.0 0.0								
E50. Modu	E50. Modulation and Services Digital video with associated audio subcarriers Modulations								

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	Frequency	E54/55. Range of Satellite Arc	E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	Antenna Elevation Angle	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
KFPXT01	Geostationary	3700 4200	60.0/143.0	135.08	30.91	240.24	20.95	0.0
KFPXT02	Geostationary	3700 4200	60.0/143.0	135.08	30.91	240.24	20.95	0.0

REMOTE CONTROL POINT LOCATION

E61. Call Sign

NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.

E62. Street Address

E63. City

E68. County

E67/68. State/Country

E64. Zip Code

## **SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)**

#### FOR OFFICIAL USE ONLY

Location of Earth Station Site Grand Rapids TX E1: Site Identifier: E5. Call Sign: WZPX-TV E2: Contact Name Mark Ruppert E6. Phone Number: 727-533-2707 5800 South Norris Rd Delton E3. Street: E7. City: E8. County: Barry E4. State E9. Zip Code 49046 MI E10. Area of Operation: Delton, MI E11. Latitude: 42 ° 34 ' 14.2 " N 85 ° 28 ' 8.9 " W E12. Longitude: E13. Lat/Lon Coordinates are: **NAD-27** N/A NAD-83 265.0 meters 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

20/60

		' '	
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?	O Yes	○ No	● N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	O Yes	•	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	O Yes	•	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	O 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 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.	• Yes	0	No
POINTS OF COMMUNICATION			

Satellite Name: PERMITTED LIST     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	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
Grand Rapids TX	WZPXT01	1	DH	Unknown	5.0	44.3 dBi at 3.7
Grand Rapids TX	WZPXT01	1	DH	Unknown	5.0	54.2 dBi at 4.2
Grand Rapids TX	WZPXT02	1	DH	Unknown	3.8	44.3 dBi at 3.7
Grand Rapids TX	WZPXT02	1	DH	Unknown	3.8	54.2 dBi at 4.2

E28. Antenna Id	E33/34. Diameter Minor/Major(meters)	E35. Above Ground Level(meters)	E36. Above	E37. Building Height Above Ground Level(meters)	Innut Power	E39. Maximum Antenna Height Above Rooftop(meters)	E40. lotal
WZPXT01	0.0/0.0	6.0	271.0	0.0	0.0	0.0	0.0
WZPXT02	0.0/0.0	5.0	270.0	0.0	0.0	0.0	0.0

## FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands(MHz)	E45. T/R Mode		E47. Emission Designator	E48. Maximum EIRP per Carrier(dBW)	E49. Maximum ERIP Density per Carrier(dBW/4kHz)			
WZPXT01	PXT01 3700 4200 R Horizontal 36M0G7F 0.0 0.0				0.0				
E50. Modul	ation and Services	Digital	video with associated au	idio subcarriers	Modulations				
WZPXT02	WZPXT02 3700 4200 R Horizontal 36M0G7F 0.0 0.0								
E50. Modul	E50. Modulation and Services Digital video with associated audio subcarriers Modulations								

## FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	H'roguonov	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	Antenna Elevation Angle	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
WZPXT01	Geostationary	3700 4200	60.0/143.0	144.83	34.56	246.74	14.96	0.0
	1							

REMOTE CONTROL POINT LOCATION					
E61. Call Sign		E66. P	hone Number		
NOTE: Please enter the callsign of the controlling station, not the calls	ign for which this application is being filed.				
E62. Street Address					
E63. City	E68. County		E67/68. State/Country	E64. Zip Co	ode

## SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)

#### FOR OFFICIAL USE ONLY

E1: Site Identifier:	Site Identifier: Greensboro TX E5. Call Sign: WGPX-TV					
E2: Contact Name	Mark Ruppert	E6. Phone Number:	727-533-270	)7		
E3. Street:	6252 Davis County Rd.	E7. City:	Randleman			
		E8. County:	Randolf			
E4. State	NC	E9. Zip Code	27317			
E10. Area of Operation:		Randleman, NC				
E11. Latitude:	35 ° 52 ' 13.5 " N					
E12. Longitude:	79 ° 50 ' 26.5 " W					
E13. Lat/Lon Coordinates are:		NAD-27	NAD-83		$\circ$ $\triangleright$	J/A
E14. Site Elevation (AMSL):		234.0 meters				
E15. If the proposed antenna(s) antenna(s) comply with the antennal qualification measurement? If 1	nufacturer's	• Yes	O No	○ N/A		
Service (FSS) with non-geostat	do not operate in the Fixed Satellite Service (FS ionary satellites, do(es) the proposed antenna(s) of demonstrated by the manufacturer's qualification	comply with the antenna gain patte		O Yes	○ No	• N/A
E17. Is the facility operated by	remote control? If YES, provide the location and	telephone number of the control p	oint.	O Yes	•	No
E18. Is frequency coording	nation required? If YES, attach a frequer	ncy coordination report as		O Yes	•	No
E19. Is coordination with of coordination contours	es) and plot	O Yes	•	No		
E20. FAA Notification - is required, have you attregarding the potential FAILURE TO COMPLOF THIS APPLICATION	• Yes	0	No			
POINTS OF COMMUNICAT	ION					

Location of Earth Station Site

Satellite Name: PERMITTED LIST     If you selected OTHER, please enter the following:					
E21. Common Name: E22. ITU Name:					
E23. Orbit Location:	E24. Country:				

## POINTS OF COMMUNICATION (Destination Points)

TOTAL OF COMMITTEE (ESTIMATION TOTAL)	
E25. Site Identifier:	
E26. Common Name:	E27. Country:

## ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
Greensboro	WGPXT01	1	DH	DH-37-	3.7	41.4 dBi at 3.7

TX				GIB2-DP		
Greensboro TX	WGPXT01	1	II)H	DH-37- GIB2-DP	3.7	42.5 dBi at 4.2
Greensboro TX	WGPXT02	1	II 1H	DH-50- GIB2-DP	5.0	43.8 dBi at 3.7
Greensboro TX	WGPXT02	1	11 ) 🖂	DH-50- GIB2-DP	5.0	44.9 dBi at 4.2

E28. Antenna Id	E33/34. Diameter Minor/Major(meters)	E35. Above Ground Level(meters)	Sea	Ground	Input Power at antenna	E39. Maximum Antenna Height Above Rooftop(meters)	E40. 10tal EIRP for al
WGPXT01	0.0/0.0	3.7	237.7	0.0	0.0	0.0	0.0
WGPXT02	0.0/0.0	5.0	239.0	0.0	0.0	0.0	0.0

E28. Antenna Id	E43/44. Frequency Bands(MHz)	E45. T/R Mode		E47. Emission Designator	E48. Maximum EIRP per Carrier(dBW)	E49. Maximum ERIP Density per Carrier(dBW/4kHz)			
WGPXT01	3700 4200	R	Horizontal	36M0G7F	0.0	0.0			
E50. Modul	ation and Services	Digital	video with associated au	idio subcarriers	Modulations				
WGPXT02	WGPXT02 3700 4200 R Horizontal 36M0G7F 0.0 0.0								
E50. Modul	E50. Modulation and Services Digital video with associated audio subcarriers Modulations								

#### FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	Hraananav	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	Antenna Elevation Angle	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
WGPXT01	Geostationary	3700 4200	60.0/143.0	148.38	43.35	253.48	13.06	0.0
WGPXT02	Geostationary	3700 4200	60.0/143.0	148.38	43.35	253.48	13.06	0.0

REMOTE CONTROL POINT LOCATION

E61. Call Sign

NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.

E62. Street Address

E63. City E68. County E64. Zip Code

## **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: Greenville TX E5. Call Sign: WEPX-TV
E2: Contact Name Mark Ruppert E6. Phone Number: 727-533-2707
E3. Street: 598 Van Moreadith Rd. E7. City: New Bern

E8. County: Craven

E4. State NC E9. Zip Code 28562

E10. Area of Operation: New Bern, NC

E11. Latitude: 35 ° 12 ' 2.88 " N

WEPXT01 Geostationary 3700 4200 REMOTE CONTROL POINT LOCATION

E61. Call Sign

151.94

45.48

255.67

11.01

0.0

60.0/143.0

NOTE: Ple	ease enter the cal	lsign of the co	ntrolling station, no	t the callsign fo	or which this ap	plication is being	filed.			
E62. Street	t Address						"			
E63. City				E68.	. County		E67/6	8. State/Cou	ıntry E6	4. Zip Code
			ATELLITE I m 312 - Sche	edule B:(T		nd Operatio	ZATIONS onal Descripti	on)		
Location o	of Earth Station S	Site								
E1: Site Id	lentifier:	Har	tford TX	E5.	Call Sign:		WHPX-TV			
E2: Conta	ct Name	Mar	k Ruppert	E6.	Phone Number:		727-533-2707			
E3. Street:	:	200	Colt Hwy.	E7.	City:		Farmington			
				E8.	County:		Hartford			
E4. State		CT		E9.	Zip Code		06032			
E10. Area	of Operation:			Far	mington, CT					
E11. Latit	ude:	41 °	42 ' 11.21 " N							
E12. Long	gitude:	72 °	49 ' 54.27 " W							
E13. Lat/I	Lon Coordinates	are:			NAD-27		NAD-83		$\circ$ N	/A
E14. Site	Elevation (AMS)	L):		219	0.0 meters					
qualification E16. If the Service (FS	proposed antenr SS) with non-geo	? If NO, providence (s) do not op ostationary sate	patterns specified in de as a technical ana erate in the Fixed S ellites, do(es) the pr rated by the manufa	llysis showing atellite Service oposed antenna	compliance with e (FSS), or if the a(s) comply with	h two-degree space by operate in the F h the antenna gair	ing policy.	• Yes		○ N/A
E17. Is the	facility operated	l by remote co	ntrol? If YES, provi	ide the location	and telephone	number of the cor	ntrol point.	O Yes	•	No
E18. Is f	requency coo	rdination re	quired? If YES,	attach a free	quency coord	lination report	as	O Yes	•	No
	oordination vination conto		country require	d? If YES, a	attach the nar	ne of the coun	try(ies) and plot	O Yes	•	No
is requir regardin FAILUF OF THI	ed, have young the potent RE TO COM S APPLICA	attached a ial hazard o PLY WITH FION.	CFR Part 17 at copy of a compof the structure I 47 CFR PART	pleted FCC to aviation	Form 854 a	nd/or the FA	A's study	• Yes	C	No
	OF COMMUNIC		VT     I£ 1.	4. 1 OTHER	1	41 C. 11				
-			T   If you selec	ted OTHER	- 1	`	<u> </u>			
E21. Common Name: E22. ITU Name:										
<u> </u>	oit Location:					E24. Country:	<u> </u>			
		CATION (Des	tination Points)							
	e Identifier:									
	mmon Name:					E27. Co	untry:			
Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size		12. Antenna Gai Recieve(dB	n Transn i at	nint and	d/or
Hartford TX	WHPXT01	1	DH	DH-42- GIB-DP	4.2	42.1 dBi at	3.7			
Hartford TX	WHPXT01	1	DH	DH-42- GIB-DP	4.2	43.2 dBi at	4.2			

Hartford TX	WHPXT02	1		DH-42- GIB-DP	4.2	42.1 dBi at 3.7
Hartford TX	WHPXT02	1	IDH I	DH-42- GIB-DP	4.2	43.2 dBi at 4.2

E28. Antenna Id	E33/34. Diameter Minor/Major(meters)	E35. Above Ground Level(meters)	E36. Above	E37. Building Height Above Ground Level(meters)	Input Power	E39. Maximum Antenna Height Above Rooftop(meters)	E40. Iotal
WHPXT01	0.0/0.0	5.8	224.8	0.0	0.0	0.0	0.0
WHPXT02	0.0/0.0	5.8	224.8	0.0	0.0	0.0	0.0

E28. Antenna Id	E43/44. Frequency Bands(MHz)	E45. T/R Mode		E47. Emission Designator	E48. Maximum EIRP per Carrier(dBW)	E49. Maximum ERIP Density per Carrier(dBW/4kHz)			
WHPXT01 3700 4200 R Horizontal 36M0G7F 0.0 0.0									
E50. Modul	E50. Modulation and Services Digital video with associated audio subcarriers Modulations								
WHPXT02 3700 4200   R   Horizontal   36M0G7F   0.0   0.0									
E50. Modul	ation and Services	Digital	video with associated au	idio subcarriers	Modulations				

FREQUENCY COORDINATION

	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	Antenna Elevation Angle	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
WHPXT01	Geostationary	3700 4200	60.0/143.0	161.1	40.07	256.51	6.19	0.0
WHPXT02	Geostationary	3700 4200	60.0/143.0	161.0	40.07	256.51	6.19	0.0

REMOTE CONTROL POINT LOCATION

E61. Call Sign		E66. Phone Number
NOTE: Please enter the callsign of the controlling	station, not the callsign for which this application is being filed.	
E62. Street Address		
	Te co	
E63. City	E68. County	E67/68. State/Country E64. Zip Code

## 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: Indianapolis TX		E5. Call Sign:	WIPX-TV				
E2: Contact Name	Mark Ruppert	E6. Phone Number:	727-533-2707				
E3. Street: 2329 West State Road 252		E7. City:	Trafalgar				
		E8. County:	Johnson				
E4. State IN		E9. Zip Code	46181				
E10. Area of Operation	::	Trafalgar, IN					
E11. Latitude:	39 ° 24 ' 14.4 " N						
E12. Longitude:	86 ° 8 ' 53.88 " W						
E13. Lat/Lon Coordina	tes are:	ONAD-27	NAD-83	○ N/A			
E14. Site Elevation (Al	MSL):	267.0 meters					

/13/2020		https://licens	ng.fcc.gov/ibfsw	/eb/ib.pag	e.Fetch	Form?id	d_app_i	num=1	32364&form=P	015_10	1.htm&m	ode=	display=	
antenna(s) con	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.								cturer's	• Y	es	○ No	○ N/A	
Service (FSS)	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 Y	es	○ No	• N/A	
E17. Is the fac	ility operated by	remote contro	1? If YES, provid	le the locat	ion and	telepho	ne numl	per of the	he control point.		0.5	Yes	•	No
E18. Is freq	uency coordin	ation requi	red? If YES, a	attach a f	reque	ncy coo	ordinat	ion re	port as		0.5	Yes	•	No
	rdination with		untry required	? If YES	, attac	h the n	ame o	f the	country(ies) a	nd plo	t	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 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.							(a) Y	Yes	0	No				
	COMMUNICAT		170 1					2.44						
	me:PERMITT	ED LIST	If you select	ted OTH	ER, pl	ease er								
E21. Comm									Name:					
E23. Orbit							E24	. Cou	ntry:					
	COMMUNICAT	ION (Destina	tion Points)					_						
E25. Site Id														
E26. Comm	non Name:							E27	. Country:					
Site ID	E28. Antenna Id	E29. Quantity	E30. Manufactur	E3 Per Mo		E32 Anter Siz	nna		E41/42. Ante Recieve		ain Tra			d/or
Indianapolis	S		G . 1	T. 1				12.0	1D:					
TX Indianapolis	WIPXIUI	1	Comtech		own 5			43.8	dBi at 3.7					
TX	WIPXIUI	1	Comtech	Unkn	own 5	5.0		44.9	dBi at 4.2					
Indianapolis TX	WIPA 102	1	Comtech	Unkn	own 3	5.8		41.4	dBi at 3.7					
Indianapolis TX	s WIPXT02	1	Comtech	Unkn	own 3	3.8		42.5	dBi at 4.2					
E28. Antenna Id	E33/34. Dia Minor/Major	meter	E35. Above Ground evel(meters)	E36. A Se Level(m	a	Heig	Buildi ht Aboround l(mete	ove	E38. Total nput Power at antenna ange(Watts)	Antei	Maxim nna Hei Above op(met	ight	EIR	. Total P for al rs(dBW)
WIPXT01	0.0/0.0	6	.0	273.0		0.0		0.	.0	0.0			0.0	
WIPXT02	0.0/0.0	6	.0	273.0		0.0		0.	.0	0.0			0.0	
FREQUENCY			11											
E28. Antenna Id	E43/44. Frequency Bands(MH				K) D	E47. Emissio esigna	tor	]	8. Maximum EIRP per rrier(dBW)		Ι	)ens	imum l sity per IBW/41	
WIPXT01		R	Horizontal			M0G7I		0.0		0.0	)			
E50. Modulation and Services Digital video with associated audio subcarriers Modulations														
WIPXT02		R	Horizontal			M0G7I		0.0		0.0				
E50. Modulation and Services Digital video with associated audio subcarriers Modulations														
FREQUENCY	COORDINAT	ON			D= -	<b>.</b>		-	E. E	¥7.55	0 1			
E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequent Limits(MI	ey oi Satell	lite Arc Western	Sta Aziı An Eas	Earth tion nuth agle tern mit	E5 Ante Eleva Ang East Lin	enna ation gle tern	E58. Earth Station Azimuth Angle Western Limit	E59 Anter Eleva Ang West Lim	nna tion gle ern H	E)	0. Max IRP De toward con(dB	ensity

E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	O Yes	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	O Yes	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	O 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 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	Yes	O No

## OF THIS APPLICATION. POINTS OF COMMUNICATION

Satellite Name: PERMITTED LIST     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	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
---------	-----------------------	------------------	----------------------	---------------	-------------------------	---

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.	O Yes	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	O Yes	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	O 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 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.	Yes	O No

#### POINTS OF COMMUNICATION

Satellite Name: PERMITTED LIST     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	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
Kansas City Studio	KPXES01	1	Prodelin	Unknown	5.0	43.8 dBi at 3.7
Kansas City Studio	KPXES01	1	Prodelin	Unknown	5.0	44.9 dBi at 4.2
Kansas City Studio	KPXES02	1	Comtech	Unknown	3.8	41.4 dBi at 3.7
Kansas City Studio	KPXES02	1	Comtech	Unknown	3.8	42.5 dBi at 4.2

E28. Antenna Id	E33/34. Diameter Minor/Major(meters)	E35. Above Ground Level(meters)	E36. Above	Height Above	Innut Power	E39. Maximum Antenna Height Above Rooftop(meters)	E40. Iotal
KPXES01	0.0/0.0	6.0	287.0	0.0	0.0		0.0
KPXES02	0.0/0.0	5.0	286.0	0.0	0.0	0.0	0.0

### 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)	
KPXES01	3700 4200	R	Horizontal	36M0G7F	0.0	0.0	
E50. Modu	E50. Modulation and Services Digital video with associated audio subcarriers Modulations						
KPXES02	KPXES02 3700 4200 R Horizontal 36M0G7F 0.0 0.0						
E50. Modu	E50. Modulation and Services Digital video with associated audio subcarriers Modulations						

## FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	l Breamency	E54/55. Range of Satellite Arc		E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	Antenna Elevation Angle	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
KPXES01	Geostationary	3700 4200	60.0/143.0	132.95	32.4	240.93	22.68	0.0
KPXES02	Geostationary	3700 4200	60.0/143.0	132.95	32.4	240.93	22.68	0.0

## REMOTE CONTROL POINT LOCATION

E61. Call Sign

E62. Street Address			
E63. City	E68. County	E67/68. State/Country	E64. Zip Code

# **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:	Knoxville TX	E5. Call Sign: WPXI		K-TV		
E2: Contact Name	Mark Ruppert	E6. Phone Number: 727-53		33-2707		
E3. Street:	601 Sharps Ridge Memorial Park Rd.	E7. City:	Knoxy	ville		
		E8. County:	Knox			
E4. State	TN	E9. Zip Code	37917	,		
E10. Area of Operation:		Knoxville, TN				
E11. Latitude:	36 ° 0 ' 19.55 " N					
E12. Longitude:	83 ° 56 ' 23.29 " W					
E13. Lat/Lon Coordinate	s are:	○ NAD-27	NA	AD-83		N/A
E14. Site Elevation (AM	SL):	416.0 meters				
E15. If the proposed anter antenna(s) comply with the qualification measuremen	• Yes	○ No	○ 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?						● N/A
E17. Is the facility operate	ed by remote control? If YES, provide the location and telephone	number of the control point.		O Yes	•	No
E18. Is frequency cod	ordination required? If YES, attach a frequency coord	lination report as		O Yes	•	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as						No
E20. FAA Notificati is required, have yo regarding the poten FAILURE TO COMOF THIS APPLICA	y	• Yes	0	No		
POINTS OF COMMUNI	ICATION					

Satellite Name: PERMITTED LIST     If you selected OTHER, please enter the following:				
E21. Common Name: E22. ITU Name:				
E23. Orbit Location:	E24. Country:			

## POINTS OF COMMUNICATION (Destination Points)

CONTINUE TO CONTINUE TO THE CO					
E25. Site Identifier:					
E26. Common Name:	E27. Country:				

#### ANTENNA

			E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
1 2 1	WPXKT01		II)H	DH-38- GIB2-DP	3.8	41.4 dBi at 3.7
Knoxville TX	WPXKT01	1	II)H	DH-38- GIB2-DP	3.8	42.5 dBi at 4.2
Knoxville TX	WPXKT02	1		DH-50- GIB-FXD	5.0	43.8 dBi at 3.7

Knoxv TX	ville	WPXKT02	1	I)H	DH-50- GIB-FXD	5.0	44	4.9 c	dBi at 4.2		
E2 Ante		E33/34. Minor/Ma	Diameter jor(meters)	E35. Above Ground Level(meters)	E36. Abov Sea Level(mete	/e	Height Abov	ve	Input Power	E39. Maximum Antenna Height Above Rooftop(meters)	E40. Iotai
WPXI	KT01	0.0/0.0		4.6	420.6		0.0	(	0.0	0.0	0.0
WPXI	KT02	0.0/0.0		5.5	421.5		0.0	(	0.0	0.0	0.0

E28. Antenna Id	E43/44. Frequency Bands(MHz)	E45. T/R Mode		E47. Emission Designator	E48. Maximum EIRP per Carrier(dBW)	E49. Maximum ERIP Density per Carrier(dBW/4kHz)			
WPXKT01	3700 4200	R	Horizontal	36M0G7F	0.0	0.0			
E50. Modul	ation and Services	Digital	video with associated au	idio subcarriers	Modulations				
WPXKT02	3700 4200	R	Horizontal	36M0G7F	0.0	0.0			
E50. Modul	E50. Modulation and Services Digital video with associated audio subcarriers Modulations								

FREQUENCY COORDINATION

	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	Antenna Elevation Angle	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
WPXKT01	Geostationary	3700 4200	60.0/143.0	142.94	41.14	250.59	16.29	0.0
WPXKT02	Geostationary	3700 4200	60.0/143.0	142.94	41.14	250.59	16.29	0.0

REMOTE CONTROL POINT LOCATION

E61. Call Sign	I	E66. P	hone Number			
NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.						
E62. Street Address						
E63. City	E68. County		E67/68. State/Country	E64. Zip Code		

## SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)

#### FOR OFFICIAL USE ONLY

Location of Earth Station S	ite			
E1: Site Identifier:	Lexington TX	E5. Call Sign:	WUPX-TV	
E2: Contact Name	Mark Ruppert	E6. Phone Number:	727-533-2707	
E3. Street:	2762 High Bridge Rd.	E7. City:	Lancaster	
		E8. County:	Garrard	
E4. State	KY	E9. Zip Code	40444	
E10. Area of Operation:		Lancaster, KY		
E11. Latitude:	37 ° 47 ' 16.44 " N			
E12. Longitude:	84 ° 40 ' 47.28 " W			
E13. Lat/Lon Coordinates	are:	NAD-27	NAD-83	○ N/A
E14. Site Elevation (AMS)	L):	288.0 meters		
E15. If the proposed antenr	na(s) operate in the Fixed Satellite Service (	FSS) with geostationary satellites, do	o(es) the proposed	es No N/A

antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's

Yes	○ No	$\bigcirc$ N/A

113/2020 https://licensing.icc.gov/ibisweb/ib.page.retcirrofffr:id_app_fiuff=132304&i0fff=F013_10	1.Htm&mode=display
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 plo of coordination contours as	t 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 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.	• Yes No
POINTS OF COMMUNICATION	17
Satellite Name: PERMITTED LIST   If you selected OTHER   please enter the following:	

Satellite Name: PERMITTED LIST     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	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
Lexington TX	WUPXT01	1	Venture	A- 8C4138543- 36	5.0	43.8 dBi at 3.7
Lexington TX	WUPXT01	1	Venture	A- 8C4138543- 36	5.0	44.9 dBi at 4.2
Lexington TX	WUPXT02	1	Venture	A- 8C4138543- 36	5.0	43.8 dBi at 3.7
Lexington TX	WUPXT02	1	Venture	A- 8C4138543- 36	5.0	44.9 dBi at 4.2
			1	1	E27 D 1	1. E30 T 4 1 E30 M .

E28. Antenna Id	E33/34. Diameter Minor/Major(meters)	E35. Above Ground Level(meters)	E36. Above	E37. Building Height Above Ground Level(meters)	Input Power	E39. Maximum Antenna Height Above Rooftop(meters)	E40. Total
WUPXT01	0.0/0.0	4.5	292.5	0.0	0.0	0.0	0.0
WUPXT02	0.0/0.0	4.5	292.5	0.0	0.0	0.0	0.0

## FREQUENCY

E28. Antenna Id	11	E45. T/R Mode	E46. Antenna Polarization(H.V.L.R)	H miccion	E48. Maximum EIRP per Carrier(dBW)	E49. Maximum ERIP Density per Carrier(dBW/4kHz)				
E50. Modulation and Services										

## FREQUENCY COORDINATION

	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	Antenna Elevation Angle	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
WUPXT01	Geostationary	3700 4200	60.0/143.0	143.13	39.16	249.29	16.23	0.0

WUPXT02 Geostationary	3700 4200 60.0/143.0	143.13	39.16	249.29	16.23	0.0	
REMOTE CONTROL POINT		"		II .	II.		
E61. Call Sign					E66. Phone N	umber	
NOTE: Places onton the colleion	of the controlling station, not the o	allaian fan whiah th	ia ampliaation	is boing filed			
E62. Street Address	of the controlling station, not the c	Lansign for which th	нѕ аррисацон	is being med.			
E02. Street / Iddiess							
E63. City		E68. County			E67/68	3. State/Cou	ntry E64. Zip Co
					/		
	SATELLITE EAF	RTH STATIO	N AUTH	IORIZATI	ONS		
FC	CC Form 312 - Schedul	e B:(Technica	al and Op	oerational l	Description	on)	
	FO	R OFFICIAL U	JSE ONLY	7			
Location of Earth Station Site							
E1: Site Identifier:	Los Angeles TX	E5. Call Sign			N-TV		
E2: Contact Name	Mark Ruppert	E6. Phone N	umber:		-533-2707		
E3. Street:	22 Video Road	E7. City:			Wilson		
		E8. County:			Angeles		
E4. State	CA	E9. Zip Cod		9102	23		
E10. Area of Operation:		Mt Wilson	ı, CA				
E11. Latitude:	34 ° 13 ' 35.76 " N						
E12. Longitude:	118 ° 4 ' 1.56 " W						
E13. Lat/Lon Coordinates are:		O NAD-2	27	<ul><li>I</li></ul>	NAD-83		○ N/A
E14. Site Elevation (AMSL):		1734.4 me	ters				
E15. If the proposed antenna(s)	operate in the Fixed Satellite Servi	ce (FSS) with geost	ationary satel	lites, do(es) the	proposed		
	nna gain patterns specified in Secti IO, provide as a technical analysis					Yes	○ No ○ N/
E16. If the proposed antenna(s)	do not operate in the Fixed Satellit	e Service (FSS), or	if they operate	e in the Fixed Sa	itellite		
	onary satellites, do(es) the propose demonstrated by the manufacturer			enna gain patteri	ns specified	O Yes	No No
E17. Is the facility operated by 1	remote control? If YES, provide the	e location and telepl	none number	of the control po	int.	O Yes	No
1 1	ation required? If YES, attac					O Yes	No
E19. Is coordination with of coordination contours a	another country required? If	YES, attach the	name of the	ne country(ies	s) and plot	O Yes	No
	(See 47 CFR Part 17 and 4	7 CFR nart 25	113(c)) Wł	nere FAA no	tification		
	ached a copy of a complete						
	nazard of the structure to a				•	• Yes	O No
	WITH 47 CFR PARTS 1	7 AND 25 WIL	L RESUL	IN THE R	ETURN		
OF THIS APPLICATIO							
POINTS OF COMMUNICATI							
	ED LIST     If you selected	OTHER, please					
E21. Common Name:				ΓU Name:			
E23. Orbit Location:			E24. C	ountry:			
POINTS OF COMMUNICATI	ION (Destination Points)						
E25. Site Identifier:							
E26. Common Name:			E	27. Country:			
ANTENNA			''				
		E3	2				

 ALTERITIES.						
Site ID	E28.	E29.	E30.	E31.	E32. Antenna	E41/42. Ante

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
Los	KPXNT01	1	DH	38DH1	3.8	41.4 dBi at 3.7

13/2020		https://licen	sing.fc	c.gov/ibfsw	eb/ib.pag	e.Fetchi	orm?ic	_app_	num=	132364&form=F	015_101.	htm&mo	de=dis	play	
Angeles TX															
			-												
Los Angeles	KPXNT01	1	DH		38DH	$\frac{1}{1}$ 3.8		4	2.5 d	Bi at 4.2					
TX															
E28.			F25	5. Above	F26	howa	E37.	Build	ling	E38. Total	E39. N	<b>Taxim</b> u	m	E40	Total
	Antenna E33/34. Diameter Minor/Major(meters)			round									cht II		
Id	Minor/Majo	r(meters)													
KPXNT01	0.0/0.0				<u>`</u>		Leve	ı(met				p(mete	rs)		
FREQUENCY			10.7		1/43.1		12.3			0.0	0.0		0.0	<u> </u>	
E28.	E43/44.	E45	<u> </u>				F47		<b>F</b> 4	18 Maximum	1	F49 M	avimi	ım F	RIP
Antenna	Frequenc	ll ll	o ∥			Emission			ш		'   '				
Id	Bands(MF	•		larization	(H,V,L,	R III		ll ll	C	-					Hz)
KPXNT01	3700 4200	R	Но	rizontal		36N	M0G71	F	0.0		0.0				
E50. Modu	lation and Ser	vices Digi	tal vic	leo with a	ssociate	d audio	subca	rriers	Mod	ulations					
FREQUENCY	COORDINAT	ION													
					Sea Level(meters)    1745.1   12.5   0.0   0.0   0.0										
F20		D. 50 / 5		E54/55.	Range	II .		l		II I		ll ll	E60. I	Maxi	mum
E28. Antenna	E51. Satellite	E52/5 Freque	- 1			II.		Elev	ation	II I	Elevati	ll l			
Id	Orbit Type	Limits(N				n II					_				
14			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Lin	nit			l		II I		ll l	rizon	(dBV	V/4kHz)
						Lir	nit	Li	mıı	Limit	Limi	l			
KPXNT01	Geostationary	3700 420	00	60.0/143.	0	109.3	2	17.7		219.57	42.13	0.0			
	NTROL POIN	Γ LOCATIO	N							1					
E61. Call Sign	1									E6	6. Phone N	lumber			
NOTE: Please	enter the callsig	n of the conti	rolling	station, not t	he callsig	n for wh	ich this	annlica	ıtion is	being filed.					
E62. Street Ac					no cumorg.	1101 111				comg mean					
E63. City					Е	68. Cour	nty				E67/68	8. State/C	Country	E64.	Zip Code
											/				
	F	CC Forn	n 312	2 - Sched	lule B:	(Tech	nical	and	Ope	rational De	scripti	on)			
				1	EOD OI	FFICIA	T IIC	FΩN	ΠV						
					OK OI	TICIA	il US	E ON	LI						
Location of E	arth Station Site														
E1: Site Ident		Martinsbu	rg TX	(			E5.	Call Sig	gn:	W	WPX-T	V			
E2: Contact N		Mark Rup	_				E6. 1	Phone 1	Numbe	er: 72	27-533-2	707			
E3. Street:		125 Ashla	-	oods Drive	e		E7.	City:		Н	arpers F	erry			
									:		_	•			
E4. State		WV					E9. 2	Zip Co	de	2:	5425				
E10. Area of	Operation:						Har	pers I	Ferry,	WV					
E11. Latitude	:	39°14'2	1.45 '	' N				-	•						
E12. Longitue	de:	77 ° 46 ' 1	6.25 '	' W											
E13. Lat/Lon	Coordinates are:							NAD-	-27		NAD-8	33		$\circ$ N	/A
E14. Site Ele	vation (AMSL):						452	.6 met	ers						
E15. If the pro	posed antenna(s)	) operate in the	he Fixe	d Satellite S	ervice (FS	SS) with	geostati	onarv s	satellite	es, do(es) the pro	posed				
antenna(s) cor	mply with the ant measurement? If I	enna gain pa	tterns s	pecified in S	Section 25	.209(a) a	nd (b) a	ıs demo	onstrate	ed by the manufa	cturer's	• Ye	s	No	○ N/A
	posed antenna(s) with non-geostat											O Ye	s O	No	• N/A

13/2020	I	nttps://licens	sing.fcc.gov/ibfswe	eb/ib.page.F	etchForm?id	_app_ı	num=13	32364&form=P	015_101.ht	m&mode=dis	olay	
in Section 25.20	09(a2) and (b) as	demonstrate	d by the manufactu	ırer's qualific	ation measur	ements	?					
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.										O Yes	No	
	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 p										No	
	dination with on contours a		untry required?	If YES, a	ttach the na	ame o	f the c	ountry(ies) a	nd plot	O Yes	No	
			FR Part 17 and	1 47 CFR	part 25.11.	3(c)) \	Where	e FAA notifi	cation			
is required, regarding th FAILURE T	have you att ie potential h	ached a co azard of WITH 4	opy of a comple the structure to 7 CFR PARTS	eted FCC o aviation	Form 854 ?	and/o	or the	FAA's study	y	• Yes	O No	
POINTS OF C	OMMUNICATI	ON										
Satellite Nar	ne:PERMITT	ED LIST	If you selecte	d OTHER	, please en	ter the	e follo	wing:				
E21. Commo	on Name:					E22	. ITU	Name:				
E23. Orbit L	ocation:					E24	. Cour	ntry:				
POINTS OF CO	OMMUNICATI	ON (Destin	ation Points)									
E25. Site Ide	entifier:											
E26. Common Name: E27. Country:												
ANTENNA												
Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	Ante	E32. Antenna Size		E41/42. Anto Recieve		ain Transmint and/or Bi atGHz)		
Martinsburg TX	WWPX101		DH	DH-38- GIB2-DF	11 4 8		41.4 dBi at 3.7					
Martinsburg TX	WWPXT01	1	DH	DH-38- GIB2-DF	11.7 X		42.5 dBi at 4.2					
E28. Antenna Id	E33/34. Diameter Minor/Major(meters)  E35. Abo Ground Level(met			Sea Height			bove   Input Power   Anter			Maximum na Height Above pp(meters)  E40. Total EIRP for a carriers(dBV		
WWPXT01	0.0/0.0		4.0	456.6	0.0		(	).0	0.0	0	.0	
FREQUENCY												
E28. Antenna Id	28. E43/44. E45. E46. Anteni enna Frequency T/R Polarization (H.)			ntenna n(H,V,L,R	(,L,R) Designator			8. Maximun EIRP per arrier(dBW)		E49. Maximum ERIP Density per Carrier(dBW/4kHz)		
WWPXT01		R	Horizontal		36M0G7		0.0		0.0			
<u></u>			al video with as	sociated a	udio subcai	rriers	Modu	lations				
E28. Antenna Id	Orbit Type    Frequency   Compared to Satell Frequency   Compa		lite Arc Western nit	c Station		57. enna ration ngle stern mit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	tow Horizon	Maximum P Density ard the (dBW/4kHz)		
	Geostationar			.0 1	153.13	40.96	<u> </u>	253.73	10.48	0.0		
E61. Call Sign	NTROL POINT	LOCATIO	N					E60	6. Phone Nu	mber		
								II.				
NOTE: Please 6		of the contro	olling station, not th	he callsign fo	or which this a	applicat	tion is b	eing filed.				
		of the contro	olling station, not the		or which this a	applicat	tion is b	peing filed.	E67/68.	State/Country	E64. Zip Code	

## SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)

Antenna

**Frequency** 

Bands(MHz)

#### FOR OFFICIAL USE ONLY

Location of	f Earth Station S	Site												
E1: Site Ide	entifier:	Miar	ni TX			E5.	Call Sign:			WPXM	-TV			
E2: Contac	et Name	Marl	k Rupp	ert		E6.	Phone Nu	mber:		727-533	3-2707			
E3. Street:		695	NW 19	99 Street		E7.	City:			Miami				
						E8.	County:			Miami-l	Dade			
E4. State		FL				E9.	Zip Code			33169				
E10. Area	of Operation:					Mi	iami, FL							
E11. Latitu	ıde:	25 °	57 ' 30	).24 " N										
E12. Longi	itude:	80°	12 ' 44	1.28 " W										
E13. Lat/L	on Coordinates	are:					NAD-27	7		NAI	<b>)-83</b>		$\bigcirc V$	I/A
E14. Site E	Elevation (AMS	L):				11.	.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	○ No	○ 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?										ified	O Yes	○ No	● N/A	
E17. Is the	facility operate	d by remote c	ontrol?	If YES, prov	ride the locati	on and	telephone	numbe	er of	the control point.		O Yes	•	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as									O Yes	•	No			
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as									plot	O Yes	•	No		
is require regardin FAILUR	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.										• Yes	0	No	
POINTS O	F COMMUNI	CATION												
Satellite 1	Name:PERM	IITTED LI	ST	If you sele	cted OTHE	ER, pl	ease ente	r the	foll	owing:				
E21. Con	nmon Name							E22.	ITU	J Name:				
E23. Orb	it Location:							E24.	Coı	untry:				
POINTS O	F COMMUNI	CATION (De	estinatio	on Points)										
E25. Site	Identifier:													
E26. Con	nmon Name:								E27	7. Country:				
ANTENNA														
Site ID	E28. Antenna Id	E29. Quantity	III.	E30. ufacturer	E31. Model	Ar	E32. ntenna Size		F	E41/42. Antenna Recieve(		Transm		/or
1X	WPXMT01	1	Prod	elin	Unknown	3.8		41.4	4 dB	i at 3.7				
Miami TX	WPXMT01	1	Prod	elin	Unknown	3.8		42.5	5 dB	i at 4.2				
Id	Antenna   E33/34. Diameter   E35. Above   Sea   Height Above   Input Power   Antenna   Antenna   Antenna   Ground   Antenna   Antenna				Antenr Al Roofto	Iaximur na Heigh bove p(meter	nt EII EII s)	10. Total RP for al iers(dBW						
	01 0.0/0.0		4.	8	15.8		0.0			0.0	0.0		0.0	
FREQUEN		1/4/4	E 45	E46	A 4		E 45		<b>T</b>	40 M ·		140 3.5	•	EDID
E28.	∥ £43	8/44.	E45.	E46.	Antenna		E47.		Ľ	48. Maximum	E	49. Max	kimum	LKIP

**Emission** 

Designator

EIRP per

Carrier(dBW)

Mode

T/R | Polarization(H,V,L,R)

Density per Carrier(dBW/4kHz)

WPXMT01	3700 4200	R	Horizontal	36M0G7F	0.0	0.0		
E50. Modulation and Services Digital video with associated audio subcarriers Modulations								

FREQUENCY	COORDIN	ATION

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)
WPXMT01	Geostationary	3700 4200	60.0/143.0	140.8	52.6	255.1	19.6	0.0

#### REMOTE CONTROL POINT LOCATION

E61. Call Sign		E66. Phone Number		
NOTE: Please enter the callsign of the controlling station, not the calls	sign for which this application is being filed.			
E62. Street Address				
E63. City	E68. County	E67/68. State/C	ountry	E64. Zip Code

### SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)

FOR OFFICIAL USE ONLY										
Location of Earth Station Si	te									
E1: Site Identifier:	Nashville TX	E5. Call Sign:	WNPX-TV							
E2: Contact Name	Mark Ruppert	E6. Phone Number:	727-533-2707							
E3. Street:	4168 Jernigan Rd.	E7. City:	White House							
		E8. County:	Robertson							
E4. State	TN	E9. Zip Code	37188							
E10. Area of Operation:		White House, TN								
E11. Latitude:	36 ° 31 ' 35.54 " N									
E12. Longitude:	86 ° 41 ' 13.23 " W									
E13. Lat/Lon Coordinates a	re:	ONAD-27	NAD-83		$\circ$ N	/A				
E14. Site Elevation (AMSL										
E15. If the proposed antenna antenna(s) comply with the a qualification measurement?	by the manufacturer's spacing policy.	• Yes	O No	O N/A						
Service (FSS) with non-geos	a(s) do not operate in the Fixed Satellite stationary satellites, do(es) the proposed as demonstrated by the manufacturer	d antenna(s) comply with the antenna		O Yes	○ No	● N/A				
E17. Is the facility operated	by remote control? If YES, provide the	location and telephone number of the	e control point.	O Yes	•	No				
E18. Is frequency coor	dination required? If YES, attac	h a frequency coordination rep	oort as	O Yes	•	No				
E19. Is coordination wi	ith another country required? If rs as	YES, attach the name of the co	ountry(ies) and plot	O Yes	•	No				
E20. FAA Notification is required, have you regarding the potential FAILURE TO COMFOF THIS APPLICAT	• Yes	0	No							
POINTS OF COMMUNIC	ATION									
Satellite Name:PERMI	TTED LIST     If you selected (	OTHER, please enter the follow	ving:							

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**

		' '	E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
1121	WNPXT01			DH-50- GIB-FXD	5.0	43.8 dBi at 3.7
* * * *	WNPXT01		II ) H	DH-50- GIB-FXD	5.0	44.9 dBi at 4.2
* * *	WNPXT02		II ) H	DH-38- GIB2-DP	3.8	41.4 dBi at 3.7
Nashville TX	WNPXT02	1	II)H	DH-38- GIB2-DP	3.8	42.5 dBi at 4.2

E28. Antenna Id	E33/34. Diameter Minor/Major(meters)	E35. Above Ground Level(meters)	E36. Above	E37. Building Height Above Ground Level(meters)	Input Power	E39. Maximum Antenna Height Above Rooftop(meters)	E40. lotal
WNPXT01	0.0/0.0	4.9	225.8	0.0	0.0	0.0	0.0
WNPXT02	0.0/0.0	3.7	224.6	0.0	0.0	0.0	0.0

#### FREQUENCY

E63. City

E28. Antenna Id	Bands(MHz) Mo		Dolowization ( H V I D )	E47. Emission Designator	E48. Maximum EIRP per Carrier(dBW)	E49. Maximum ERIP Density per Carrier(dBW/4kHz)
WNPXT01	3700 4200	R	Horizontal	36M0G7F	0.0	0.0
E50. Modul	ation and Services	Digital	video with associated au	idio subcarriers	s Modulations	
WNPXT02	3700 4200	R	Horizontal	36M0G7F	0.0	0.0
E50. Modul	ation and Services	Digital	video with associated au	idio subcarriers	s Modulations	

#### FREQUENCY COORDINATION

	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	Antenna Elevation Angle	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
WNPXT01	Geostationary	3700 4200	60.0/143.0	140.3	39.6	245.3	21.5	0.0
WNPXT02	Geostationary	3700 4200	60.0/143.0	140.3	39.6	245.3	21.5	0.0

#### REMOTE CONTROL POINT LOCATION

E61. Call Sign

NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.

E62. Street Address

E68. County E67/68. State/Country E64. Zip Code

### **SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)**

#### FOR OFFICIAL USE ONLY

Location of Ea	arth Station Site									
E1: Site Ident	ifier:	New Orlea	ans TX		E5. Call Sig	gn:	WPXL-TV	,		
E2: Contact N	Contact Name Mark Ruppert E6. Phone Number: 727-533-27						707			
E3. Street:		#2 Bayou	Bienvenue Way		E7. City:		New Orlea	ns		
					E8. County	:	Orleans			
E4. State		LA			E9. Zip Co	de	70129			
E10. Area of	Operation:				New Orle	eans, LA				
E11. Latitude:	:	29°58'5	6.85 " N							
E12. Longitud	le:	89 ° 56 ' 5	7.41 " W							
E13. Lat/Lon	Coordinates are	:			O NAD-	27	NAD-8	3	$\bigcirc$ ]	N/A
E14. Site Elev	vation (AMSL):				7.0 meters					
antenna(s) con	nply with the an	tenna gain pat	terns specified in Se	ection 25.209(a	) and (b) as demo	satellites, do(es) the onstrated by the man	ufacturer's	• Yes	○ No	○ N/A
Service (FSS)	with non-geosta	tionary satelli		osed antenna(s)	comply with the	erate in the Fixed Sa antenna gain patter s?		O Yes	O No	◎ N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.							oint.	O Yes	•	No
E18. Is freq	uency coordi	nation requ	ired? If YES, at	tach a freque	ency coordina	tion report as		O Yes	•	No
	rdination with		ountry required?	If YES, atta	ch the name of	of the country(ies	s) and plot	O Yes	•	No
is required regarding t FAILURE	, have you at the potential	ttached a contact hazard of Y WITH 4	opy of a complo the structure to	eted FCC For aviation?	orm 854 and/	Where FAA no or the FAA's st	udy	• Yes	0	No
POINTS OF C	COMMUNICA	ΓΙΟΝ								
Satellite Na	me:PERMIT	TED LIST	If you selecte	d OTHER, p	lease enter th	e following:				
E21. Comm	non Name:				E22	2. ITU Name:				
E23. Orbit					E24	1. Country:				
POINTS OF C	COMMUNICA	ΓΙΟΝ (Destin	ation Points)			_				
E25. Site Id	entifier:									
E26. Common Name: E27. Country:										
ANTENNA										
Site ID								n Transı i at		d/or
New Orleans TX	New Orleans         WPXLT01         1         DH         DH-38-GIB2-DP         3.8         41.4 dBi at 3.7									
						1				

ANTENNA								
Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Ante Recieve	nna Gain Transm dBi at	nint and/or GHz)
New Orleans TX	WPXLT01	1	DH	DH-38- GIB2-DP	3.8	41.4 dBi at 3.7		
New Orleans TX	WPXLT01	1	DH	DH-38- GIB2-DP	3.8	42.5 dBi at 4.2		
New Orleans TX	WPXLT02	1	DH	DH-38- GIB2-DP	3.8	41.4 dBi at 3.7		
New Orleans TX	WPXLT02	1	DH	DH-38- GIB2-DP	3.8	42.5 dBi at 4.2		
E28. Antenna Id	E33/34. D Minor/Majo		E35. Above Ground Level(meters)	E36. Above Sea Level(meters	Height Ab	ove Input Power	l ., ~	E40. Total EIRP for al carriers(dBW)
WPXLT01	0.0/0.0			18.0	0.0	0.0		0.0

WPXLT02 | 0.0/0.0 | 11.0 | 18.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0

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)		
WPXLT01	WPXLT01 3700 4200 R Horizontal		Horizontal	36M0G7F	0.0	0.0		
E50. Modu	lation and Services	Digital	video with associated at	idio subcarriers	Modulations			
WPXLT02 3700 4200 R Horizontal 36M0G7F 0.0 0.0								
E50. Modu	E50. Modulation and Services Digital video with associated audio subcarriers Modulations							

E28. Antenna Id	E51. Satellite Orbit Type	Hroamov	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	Antenna Elevation Angle	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
WPXLT01	Geostationary	3700 4200	60.0/143.0	131.55	42.65	246.55	26.89	0.0
WPXLT02	Geostationary	3700 4200	60.0/143.0	131.55	42.65	246.55	26.89	0.0

#### REMOTE CONTROL POINT LOCATION

E61. Call Sign		E66. Pho	ne Number	
NOTE: Please enter the callsign of the controlling station, no	t the callsign for which this application is being filed	d.		
E62. Street Address				
E63. City	E68. County	E6	67/68. State/Country	E64. Zip Code
		/		

### **SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)**

#### FOR OFFICIAL USE ONLY

Location of Earth Station Site	e						
E1: Site Identifier:	Norfolk TX	E5. Call Sign:	WPXV-TV	V			
E2: Contact Name	act Name Mark Ruppert E6. Phone Number: 727-533-		727-533-2	2707			
E3. Street:	5225 Nansemond Parkway	E7. City:	Suffolk				
		E8. County:					
E4. State	VA	E9. Zip Code	23435				
E10. Area of Operation:		Suffolk, VA					
E11. Latitude:	36 ° 48 ' 59.7 " N						
E12. Longitude:	76 ° 28 ' 6.2 " W						
E13. Lat/Lon Coordinates ar	E13. Lat/Lon Coordinates are: NAD-27 NAD-27					N/A	
E14. Site Elevation (AMSL)	:	15.0 meters					
antenna(s) comply with the a	(s) operate in the Fixed Satellite Service (FSS) with ntenna gain patterns specified in Section 25.209(a) f NO, provide as a technical analysis showing comp	and (b) as demonstrated by the m	anufacturer's	• Yes	○ No	○ N/A	
Service (FSS) with non-geost	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.   Yes  No							
E18. Is frequency coord	O Yes	•	No				
E19. Is coordination with	th another country required? If YES, attac	h the name of the country(i	es) and plot	O Yes	•	No	

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.

POINTS OF COMMUNICATION

Satellite Name: PERMITTED LIST     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			E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
171	WPXVT01		II ) H	DH-50- GIB-FXD	5.0	43.8 dBi at 3.7
171	WPXVT01		II)H	DH-50- GIB-FXD	5.0	44.9 dBi at 4.2
121	WPXVT02		II)H	DH-38- GIB2-DP	3.8	41.4 dBi at 3.7
Norfolk TX	WPXVT02	1	II)H	DH-38- GIB2-DP	3.8	42.5 dBi at 4.2

E28. Antenna Id	E33/34. Diameter Minor/Major(meters)	E35. Above Ground Level(meters)	E36. Above	Height Above	Input Power	E39. Maximum Antenna Height Above Rooftop(meters)	E40. Iotai
WPXVT01	0.0/0.0	4.9	19.9	0.0	0.0	0.0	0.0
WPXVT02	0.0/0.0	4.2	19.2	0.0	0.0	0.0	0.0

#### FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands(MHz)	E45. T/R Mode	E46. Antenna	E47. Emission Designator	E48. Maximum EIRP per Carrier(dBW)	E49. Maximum ERIP Density per Carrier(dBW/4kHz)		
WPXVT01	3700 4200	R	Horizontal	36M0G7F	0.0	0.0		
E50. Modul	ation and Services	Digital	video with associated au	idio subcarriers	Modulations			
WPXVT02 3700 4200 R Horizontal 36M0G7F 0.0 0.0								
E50. Modul	E50. Modulation and Services Digital video with associated audio subcarriers Modulations							

#### FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	Hreamen	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	Antenna Elevation Angle	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
WPXVT01	Geostationary	3700 4200	60.0/143.0	153.74	43.89	255.42	10.13	0.0
WPXVT02	Geostationary	3700 4200	60.0/143.0	153.74	43.89	255.42	10.13	0.0

#### REMOTE CONTROL POINT LOCATION

E61. Call Sign

NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.

E62. Street Address

E63. City E68. County E64. Zip Code

### **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:	ier: Oklahoma City TX E5. Call Sign: KOPX-TV					
E2: Contact Name	Mark Ruppert E6. Phone Number: 727-533-270					
E3. Street:	1401 East Britton Road	E7. City:	Oklahoma Ci	ty		
		E8. County:	Oklahoma			
E4. State	OK	E9. Zip Code	73131			
E10. Area of Operation:		Oklahoma C	City, OK			
E11. Latitude:	35 ° 34 ' 4.68 " N					
E12. Longitude:	97 ° 29 ' 23.69 " W					
E13. Lat/Lon Coordinates are	÷:	ONAD-27	NAD-83		$\circ$ 1	N/A
E14. Site Elevation (AMSL):		349.6 meters				
E15. If the proposed antenna( antenna(s) comply with the arqualification measurement? If	• Yes	O No	O N/A			
E16. If the proposed antenna( Service (FSS) with non-geost in Section 25.209(a2) and (b)	e antenna gain patterns specified	O 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 coord	ination required? If YES, attach a frequ	ency coordina	tion report as	O Yes	•	No
E19. Is coordination wit of coordination contours	h another country required? If YES, atta s as	ach the name	of the country(ies) and plot	O Yes	•	No
E20. FAA Notification is required, have you a regarding the potential FAILURE TO COMPI OF THIS APPLICATI	Yes	0	No			
POINTS OF COMMUNICA	TION					
Satellite Name:PERMIT	TTED LIST     If you selected OTHER, 1	please enter th	ne following:			
E21. Common Name:		E2:	2. ITU Name:			
E23. Orbit Location: E24. Country:						
POINTS OF COMMUNICA	TION (Destination Points)		_			
E25. Site Identifier:						

#### E26. Common Name:

KOPXT02

ANTENNA

Oklahoma

City TX

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
Oklahoma City TX	KOPXT01	1	Comtech	Unknown	5.0	43.8 dBi at 3.7
Oklahoma City TX	KOPXT01	1	Comtech	Unknown	5.0	44.9 dBi at 4.2
Oklahoma City TX	KOPXT02	1	Comtech	Unknown	5.0	43.8 dBi at 3.7

Unknown 5.0

E27. Country:

44.9 dBi at 4.2

Comtech

E28. Antenna Id	E33/34. Diameter Minor/Major(meters)		Sea Level(meters)	Height Above Ground	Input Power at antenna	Antenna Height	EIRP for al carriers(dBW)
KOPXT01	0.0/0.0	7.0	356.6	0.0	0.0	0.0	0.0
KOPXT02	0.0/0.0	7.0	356.6	0.0	0.0	0.0	0.0

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands(MHz)	E45. T/R Mode		E47. Emission Designator	E48. Maximum EIRP per Carrier(dBW)	E49. Maximum ERIP Density per Carrier(dBW/4kHz)		
KOPXT01	3700 4200	R	Horizontal	36M0G7F	0.0	0.0		
E50. Modu	lation and Services	Digital	video with associated at	idio subcarriers	Modulations	·		
KOPXT02	3700 4200	R	Horizontal	36M0G7F	0.0	0.0		
E50. Modu	E50. Modulation and Services Digital video with associated audio subcarriers Modulations							

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	Hreamen	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	Antenna Elevation Angle	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
KOPXT01	Geostationary	3700 4200	60.0/143.0	127.18	32.9	240.25	27.04	0.0
KOPXT02	Geostationary	3700 4200	60.0/143.0	127.18	32.9	240.25	27.04	0.0

REMOTE CONTROL POINT LOCATION

E61. Call Sign		E66. Phone Number
NOTE: Please enter the callsign of the controlling station, not the	ne callsign for which this application is being filed.	
E62. Street Address		
E(2, C).	Inco. C.	F(7/0) 01 1/0 1 F(4.7' 0.1
E63. City	E68. County	E67/68. State/Country E64. Zip Code

### **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:	Orlando TX	E5. Call Sign:	WOPX-TV			
E2: Contact Name	Mark Ruppert	E6. Phone Number:	727-533-2707			
E3. Street:	10227 Nova Road	E7. City:	Saint Cloud			
		E8. County:	Osceola			
E4. State	FL	E9. Zip Code	34773			
E10. Area of Operation:		Saint Cloud, FL				
E11. Latitude:	28 ° 16 ' 44.36 " N					
E12. Longitude:	81 ° 1 ' 25.06 " W					
E13. Lat/Lon Coordinates are:		○ NAD-27	NAD-83	○ N/A		
E14. Site Elevation (AMSL):		21.0 meters				
antenna(s) comply with the anten	15. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed atenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's nalification measurement? If NO, provide as a technical analysis showing compliance with two-degree spacing policy.					
6. 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.	O Yes	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	O Yes	<ul><li>No</li></ul>
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	O 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 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.	Yes	O No

#### POINTS OF COMMUNICATION

Satellite Name:PERMITTED LIST     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	Antenna Id		E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
1 / 1	WOPXT01		II)H	DH-50- GIB-FXD	5.0	43.8 dBi at 3.7
121	WOPXT01		II ) H	DH-50- GIB-FXD	5.0	44.9 dBi at 4.2
	WOPXT02		II)H	DH-38- GIB-DP	3.8	41.4 dBi at 3.7
Orlando TX	WOPXT02	1	II)H	DH-38- GIB-DP	3.8	42.5 dBi at 4.2

E28. Antenna Id	E33/34. Diameter Minor/Major(meters)	E35. Above Ground Level(meters)	E36. Above	Height Above	Input Power	E39. Maximum Antenna Height Above Rooftop(meters)	E40. Iotal
WOPXT01	0.0/0.0	6.2	27.2		0.0	0.0	0.0
WOPXT02	0.0/0.0	5.1	26.1	0.0	0.0	0.0	0.0

#### FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands(MHz)	E45. T/R Mode		E47. Emission Designator	E48. Maximum EIRP per Carrier(dBW)	E49. Maximum ERIP Density per Carrier(dBW/4kHz)				
WOPXT01 3700 4200 R Horizontal 36M0G7F 0.0 0.0										
E50. Modulation and Services Digital video with associated audio subcarriers Modulations										
WOPXT02 3700 4200 R Horizontal 36M0G7F 0.0 0.0										
E50. Modul	ation and Services	Digital	video with associated au	idio subcarriers	Modulations					

#### FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	Hreamen	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	Antenna Elevation Angle	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
WOPXT01	Geostationary	3700 4200	60.0/143.0	140.95	49.67	255.85	16.15	0.0
WOPXT02	Geostationary	3700 4200	60.0/143.0	140.95	49.67	255.85	16.15	0.0

#### REMOTE CONTROL POINT LOCATION

E61. Call Sign

NOTE: Pleas	e enter the callsig	gn of the contr	colling station, not th	ne callsign for	r which this appli	cation is being filed.				
E62. Street A	ddress					,				
E63. City				E68.	County		E67/68	3. State/Cou	intry E	64. Zip Cod
							/			
	F		1 312 - Sched	ule B:(Te		JTHORIZATIO I Operational D NLY		on)		
Location of F	Earth Station Site									
E1: Site Iden		Phoenix Stu	dio		E5.	Call Sign:	KPPX-	ΓV		
E2: Contact		Mark Ruppe				Phone Number:	727-533			
E3. Street:			versity Dr., Suite	250		City:	Phoenix			
	_	E em	. 01210) 211, 2011			County:	Marico			
E4. State	A	ΑZ				Zip Code	85034	L		
E10. Area of	Operation:					penix, AZ				
E11. Latitud	e: 3	33 ° 25 ' 32.	31 " N			,				
E12. Longitu	ıde: 1	12 ° 1 ' 42.	17 " W							
E13. Lat/Lor	n Coordinates are	»:				NAD-27	NAI	D-83		N/A
E14. Site Ele	evation (AMSL):				335	5.0 meters				
qualification E16. If the pr Service (FSS	measurement? If oposed antenna(s ) with non-geosta	NO, provide so s) do not opera ntionary satelli	as a technical analys ate in the Fixed Sate	sis showing co ellite Service ( osed antenna(	ompliance with two (FSS), or if they of (s) comply with the	nonstrated by the manuf wo-degree spacing polic operate in the Fixed Sate he antenna gain patterns hts?	y. Ilite	• Yes		
E17. Is the fa	cility operated by	y remote contr	ol? If YES, provide	the location	and telephone nu	mber of the control poin	t.	O Yes	(	• No
E18. Is free	quency coordi	ination requ	iired? If YES, at	tach a freq	uency coordin	ation report as		O Yes	(	• No
	ordination with		ountry required?	If YES, at	tach the name	of the country(ies)	and plot	O Yes		No
is required regarding FAILURE OF THIS	l, have you at the potential TO COMPI APPLICATI	ttached a c hazard of LY WITH 4 ON.	opy of a comple the structure to	eted FCC in a section?	Form 854 and	) Where FAA notif I/or the FAA's stud SULT IN THE RE	ly	Yes	(	) No
	COMMUNICA									
		TED LIST	If you selecte	a OTHER,						
	mon Name:					22. ITU Name:				
E23. Orbit					E	24. Country:				
	COMMUNICA	TION (Destin	nation Points)							
E25. Site I										
	non Name:					E27. Country:				
Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Ant Recieve		n Transn i at		
Phoenix Studio	KPPXS01	1	Comtech	Unknown		41.4 dBi at 3.7				
Phoenix	KPPXS01	1	Comtech	Unknown	3.8	42.5 dBi at 4.2				

E61. Call Sign

E62. Street Address

E63. City

#### 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: Portland TX E5. Call Sign: **KPXG-TV** E2: Contact Name Mark Ruppert E6. Phone Number: 727-533-2707 E3. Street: 299 NW Skyline Blvd E7. City: Portland E8. County: Multnomah E9. Zip Code E4. State OR 97210 E10. Area of Operation: Portland, OR E11. Latitude: 45 ° 31 ' 22.8 " N E12. Longitude: 122 ° 44 ' 48.12 " W

NAD-27 E13. Lat/Lon Coordinates are: NAD-83 N/A E14. Site Elevation (AMSL): 321.0 meters

E15. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed

47/60

/13/2020		https://li	censing.	fcc.gov/ibfsw	eb/ib.page	.FetchF	orm?id	_app	o_num=1	32364&form=F	P015_101	.htm&m	ode=	display	
										d by the manufa e spacing policy					
Service (FSS		stationary sa	tellites, o	do(es) the proj	posed anten	na(s) co	mply w	ith tl	he antenn	the Fixed Satel a gain patterns s		OY	es	O No	● N/A
E17. Is the f	E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.  O Yes  No														
E18. Is fre	equency coor	dination r	equired	l? If YES, a	ıttach a fr	equenc	cy coo	rdin	ation re	port as			Yes	•	No
	ordination w		r count	ry required	? If YES,	attach	the na	ame	of the	country(ies) a	and plot	0	Yes	•	No
			CFR	Part 17 an	d 47 CFI	R nart	25.113	3(c)	) Wher	e FAA notifi	ication				
is require regarding FAILURI	d, have you g the potenti	attached al hazard PLY WIT	a copy of the	of a complex structure to	leted FC to aviatio	C Fori on?	m 854	and	d/or the	FAA's stud	y	•	Yes	0	No
POINTS OF	COMMUNIC	CATION													
Satellite N	Name:PERM	ITTED LI	ST     If	f you select	ed OTHE	R, ple	ase en	ter t	the follo	wing:					
	mon Name:		11			- 1			22. ITU						
	t Location:							⊣⊢	24. Cou						
	COMMUNIC	'ATION (Da	stination	n Points)					cou	j ·					
E25. Site		ATTON (DO	Stillatio	ii i oiiits)											
	mon Name:								E27	. Country:					
ANTENNA	illoli Ivallic.								L2/	. Country.					
Site ID									/or						
Portland TX   Comtech   Unknown   5.0   43.8 dBi at 3.7															
Portland TX	KPXGT02	1	Com	tech	Unknown	n 5.0			44.9 dB	Bi at 4.2					
E28. Antenna Id	E33/34. Minor/Ma	Diameter ijor(meter	.e) (	35. Above Ground rel(meters)	E36. A Sea Level(m	a	Heigl Gı	ht A	nd	E38. Total Input Power at antenna lange(Watts)	Anten	bove	ight	EIR	). Total P for al ers(dBW)
KPXGT02	2 0.0/0.0		6.1		327.1		0.0			0.0	0.0			0.0	
FREQUENC														<u> </u>	
E28.	E43/4	14. 1	E45.	E46. Ar	ntonno.		E47.		E48	8. Maximum	1	E49. I	Maxi	mum ]	ERIP
Antenna			Γ/R P	olarization			missic			EIRP per				ity per	
Id	Bands(N		ioae			De	esigna			arrier(dBW)		Carr	ier(d	BW/4	kHz)
	2 3700 4200	R		Iorizontal			10G7F		0.0		0.0				
	ulation and S		igital v	ideo with a	ssociated	audio	subca	rriei	rs Modu	ılations					
FREQUENC	CY COORDIN	ATION			1		- 1			1					
E28. Antenna Id  E51. Satellite Orbit Type Orbit Type  E52/53. Frequency Limits(MHz) Frequency Limits(MHz) Frequency Limit  E54/55. Range of Satellite Arc Eastern/Western Limit  E56. Earth Station Antenna Elevation Angle Eastern Limit  Angle Eastern Limit  E57. Antenna Elevation Angle Western Limit  E60. Maximun EIRP Density toward the Horizon(dBW/4k)							ensity the								
KPXGT02	2 Geostation	ary 3700 4	1200	60.0/143.	.0	110.6		10.6	5	202.2	35.2	0.	0		
	CONTROL PO	INT LOCA	ΓΙΟΝ												
E61. Call Si											6. Phone	Number			
-	se enter the call	sign of the c	ontrollin	g station, not	the callsign	for whi	ch this a	appli	cation is	being filed.					
E62. Street	Address														
E63. City					E6	8. Coun	ty				E67/6	58. State	/Coun	try E64	I. Zip Code

Id

## **SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)**

#### FOR OFFICIAL USE ONLY

ll .	arth Station Site										
E1: Site Ident			lence TX		all Sign:		WPXQ-7				
E2: Contact N	lame		Ruppert	E6. Pl	hone Number:		727-533-				
E3. Street:		247 N	orth Rd	E7. C	•		Hopking				
					ounty:		Washingt	on			
E4. State		RI			ip Code		02833				
E10. Area of				Hopl	kinton, RI						
E11. Latitude			9 ' 41.7 " N								
E12. Longitud			7 ' 4.7 " W								
E13. Lat/Lon	Coordinates are	:			IAD-27		NAD-	-83		$\circ$ N/.	A
E14. Site Elev	vation (AMSL):			122.0	0 meters						
antenna(s) cor qualification n	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.										
Service (FSS)	with non-geosta	tionary satelli		osed antenna(s	s) comply with th	e anten	in the Fixed Satellite ana gain patterns spe		O Yes	O No	• N/A
E17. Is the fac	ility operated by	y remote contr	ol? If YES, provide	the location a	nd telephone nur	nber of	the control point.		O Yes	•	No
E18. Is freq	uency coord	nation requ	iired? If YES, at	tach a frequ	ency coordin	ation 1	eport as		O Yes	•	No
	rdination wit		ountry required?	If YES, att	ach the name	of the	country(ies) an	d plot	O 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 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.									Yes	0	No
POINTS OF C	COMMUNICA	TION									
Satellite Na	me:PERMIT	TED LIST	If you selecte	ed OTHER,	please enter t	he foll	lowing:				
E21. Comn	non Name:				E2	22. ITU	U Name:				
E23. Orbit	Location:				E2	24. Co	untry:				
	COMMUNICA	TION (Destin	nation Points)				<i>y</i> -				
E25. Site Id			,								
E26. Comm	non Name:					E2	7. Country:				
ANTENNA											
Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size		E41/42. Anten Recieve(_		n Transm at		d/or
Providence TX	WPXQT02	1	DH	DH-45- GIB-DP	4.5	42.9	dBi at 3.7				
Providence TX	WPXQT02	1	DH	DH-45- GIB-DP	4.5	44.0	dBi at 4.2				
E28. Antenna	E33/34. I	Diameter	E35. Above Ground	E36. Abo	ve E37. Bui		E38. Total Input Power		laximum a Height	.∥ £4(	0. Total AP for al

Ground

at antenna

Level(meters) flange(Watts) Rooftop(meters)

carriers(dBW)

WPXQT02 0.0/0.0 127.3 ||0.0||||0.0||FREQUENCY E28. E43/44. E45. E47. E48. Maximum E49. Maximum ERIP E46. Antenna T/R **Emission** EIRP per Antenna Frequency Density per Polarization(H,V,L,R) Mode Carrier(dBW/4kHz) Id Bands(MHz) Designator Carrier(dBW) WPXQT02 3700 4200 R Horizontal 36M0G7F 0.0 |0.0|E50. Modulation and Services Digital video with associated audio subcarriers Modulations FREQUENCY COORDINATION E56. E57. E58. Earth E59. Earth E54/55. Range Antenna Station Antenna E60. Maximum E28. E52/53. Station E51. Satellite of Satellite Arc Elevation **Azimuth Elevation EIRP Density** Antenna **Frequency** Azimuth Eastern/Western Angle Angle toward the **Orbit Type** Angle Id Limits(MHz) Angle Horizon(dBW/4kHz) Limit **Eastern** Western Western Eastern Limit Limit Limit Limit WPXQT02 Geostationary 3700 4200 60.0/143.0 163.4 40.7 254.5 8.2 0.0 REMOTE CONTROL POINT LOCATION E61. Call Sign E66. Phone Number NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed. E62. Street Address E63. City E68. County E67/68. State/Country E64. Zip Code 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: Raleigh TX E5. Call Sign: WRPX-TV E2: Contact Name Mark Ruppert E6. Phone Number: 727-533-2707 E3. Street: 7791 Bryant Rd. E7. City: Bailey E8. County: Nash 27807 NC E9. Zip Code E4. State E10. Area of Operation: Bailey, NC E11. Latitude: 35 ° 49 ' 53.1 " N E12. Longitude: 78 ° 8 ' 44.1 " W E13. Lat/Lon Coordinates are: NAD-27 NAD-83 N/A E14. Site Elevation (AMSL): 75.0 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 O No N/A Yes 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 ○ Yes ○ No N/A 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. 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 Yes No. of coordination contours as E20. FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification Yes No 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.

	PC	PLINIC	OF CO	MMIINI	CATION
--	----	--------	-------	--------	--------

Satellite Name:PERMITTED LIST     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	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
Raleigh TX	WRPXT01	1	II)H	DH-38- GIB2-DP	3.8	41.4 dBi at 3.7
Raleigh TX	WRPXT01	1		DH-38- GIB2-DP	3.8	42.5 dBi at 4.2
Raleigh TX	WRPXT02	1	II ) H	DH-50- GIB-FXD	5.0	43.8 dBi at 3.7
Raleigh TX	WRPXT02	1	II ) H	DH-50- GIB-FXD	5.0	44.9 dBi at 4.2

E28. Antenna Id	E33/34. Diameter Minor/Major(meters)	E35. Above Ground Level(meters)	E36. Above	Haight Ahava	Input Power at antenna	E39. Maximum Antenna Height Above Rooftop(meters)	E40. 10tal EIRP for al
WRPXT01	0.0/0.0	4.3	79.3	0.0	0.0	0.0	0.0
WRPXT02	0.0/0.0	4.9	79.9	0.0	0.0	0.0	0.0

#### FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands(MHz)	E45. T/R Mode		E47. Emission Designator	E48. Maximum EIRP per Carrier(dBW)	E49. Maximum ERIP Density per Carrier(dBW/4kHz)				
WRPXT01 3700 4200 R Horizontal 36M0G7F 0.0 0.0										
E50. Modulation and Services Digital video with associated audio subcarriers Modulations										
WRPXT02 3700 4200 R Horizontal 36M0G7F 0.0 0.0										
E50. Modul	ation and Services	Digital	video with associated au	idio subcarriers	Modulations					

#### FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	Frequency	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	Antenna Elevation Angle	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
WRPXT01	Geostationary	3700 4200	60.0/143.0	150.76	44.16	254.63	11.72	0.0
WRPXT02	Geostationary	3700 4200	60.0/143.0	150.76	44.16	254.63	11.72	0.0

#### REMOTE CONTROL POINT LOCATION

E61. Call Sign	E6	6. Phone Number	
NOTE: Please enter the callsign of the controlling station, not the calls	ign for which this application is being filed.		
E62. Street Address			
E63. City	E68. County	E67/68. State/Country	E64. Zip Code

### SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)

#### FOR OFFICIAL USE ONLY

L ocation of	f Earth Station Si	te										
E1: Site Ide			ke TX	]	E5. Call Sign:		WPXR-TV					
E2: Contac	t Name		Ruppert		E6. Phone Numbe	er:	727-533-2707					
E3. Street:			Media Way	]	E7. City:		Bent Mountain					
			·	]	E8. County:		Roanoke					
E4. State		VA		]	E9. Zip Code		24059					
E10. Area	of Operation:			]	Bent Mountain	ı, VA						
E11. Latitu	ide:											
E12. Longi	itude:											
E13. Lat/L	on Coordinates a	NAD-83		$\circ$ N	/A							
E14. Site E	Elevation (AMSL											
antenna(s)		do(es) the proposed by the manufacturer's spacing policy.	• Yes	○ No	○ N/A							
E16. If the p	proposed antenna S) with non-geo	a(s) do not ope stationary sate	rate in the Fixed Sa	tellite Servi	ce (FSS), or if the	y operate in the antenna		O Yes	○ No	● N/A		
E17. Is the	facility operated	by remote con	trol? If YES, provid	le the location	on and telephone	number of th	e control point.	O Yes	•	No		
E18. Is fr	equency coor	dination req	uired? If YES, a	ittach a fr	equency coord	lination rep	oort as	O Yes	•	No		
	oordination w		country required	? If YES,	, attach the nan	ne of the c	ountry(ies) and plot	O Yes	•	No		
is require regarding FAILUR	ed, have you g the potenti	attached a al hazard o PLY WITH	copy of a comp f the structure	leted FC to aviatio	C Form 854 a on?	nd/or the	FAA notification FAA's study NTHE RETURN	• Yes	0	No		
POINTS O	F COMMUNIC	ATION										
Satellite 1	Name:PERMI	ITTED LIST	Γ     If you select	ed OTHE	ER, please ente	r the follow	wing:					
E21. Con	nmon Name:					E22. ITU	Name:					
E23. Orb	it Location:					E24. Cour	ntry:					
POINTS O	F COMMUNIC	ATION (Dest	ination Points)									
E25. Site	Identifier:											
E26. Con	nmon Name:					E27.	Country:					
ANTENNA												
Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size	E4	1/42. Antenna Gain Recieve(dBi :		int and/ GHz)	or/		
Roanoke TX	WPXRT01	1	DH	38DH1	3.8	41.4 dBi	at 3.7					
Roanoke TX	WPXRT01	1	DH	38DH1	3.8	42.5 dBi	at 4.2					
Roanoke TX	WPXRT02	1	DH	50DH1	5.0	43.8 dBi	at 3.7					
Ponnoka						1						

ΤΣ	X	WPXRT02	1	DH	50DH1 5.0	44.9 dI	Bi at 4.2		
A	E28. Antenna Id	E33/34. Minor/Ma	Diameter jor(meters)	E35. Above Ground Level(meters)	L36. Above	Height Above	Input Power	E39. Maximum Antenna Height Above Rooftop(meters)	E40. lotal
W	PXRT0	1 0.0/0.0		4.5	1138.5	0.0	0.0	0.0	0.0

3/2020	h	ttps://licensir	ıg.fcc.gov/ibfswel				32304&IUIII-I	-015_101.r ===	ıtmamode	==	
WPXRT02 0	0.0/0.0	5.	9 1	1139.9	0.0		0.0	0.0		0.0	
REQUENCY		ır	1			ı					
E28. Antenna	E43/44. Frequency	E45.	E46. Ant		E47. Emissi	ll l	8. Maximun EIRP per	n   F	E49. Max Dens	imum I sity per	ERIP
Id	Bands(MH	ll l	Polarization(	H,V,L,R)	Designa	ll l	arrier(dBW)	,   (	Carrier(		kHz)
WPXRT01 3	700 4200	R	Horizontal		36M0G7	F 0.0		0.0			
E50. Modulat	tion and Serv	ices Digital	video with ass	sociated au	idio subca	rriers Mod	ılations	''			
REQUENCY (	COORDINATIO	ON									
Antonno	E51. Satellite Orbit Type	E52/53. Frequenc Limits(MI	y of Satelli	te Arc Vestern	E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenn Elevatio Angle Wester Limit	on E n Horiz	60. Max IRP De toward zon(dBV	nsity the
WPXRT01	Geostationary	3700 4200	60.0/143.0	14	18.75	41.94	252.77	12.91	0.0		
	TROL POINT		I				П	JL			
E61. Call Sign							Εć	6. Phone N	umber		
-											
62. Street Add	ress										
E63. City				E68.	County			E67/68	. State/Cou	intry E64	. Zip Co
								/			
Location of Eart	th Station Site										
E1: Site Identifi	ier: Sacı	ramento Stu	ıdio		I	E5. Call Sign:	k	KSPX-TV			
E2: Contact Na	me Mar	k Ruppert			I	E6. Phone Nu	mber: 7	27-533-2	707		
E3. Street:	288	2 Prospect	Park Dr., Suite	245	I	E7. City:	F	Rancho Co	ordova		
					I	E8. County:		Sacrament	0		
E4. State	CA				I	70 77 0 1	9	5670			
E10. Area of Op						E9. Zip Code					
E11. Latitude:		35 ' 36.21			]	E9. Zip Code Rancho Coi	dova, CA				
E12. Longitude		° 16 ' 52.2	" W		]	-	dova, CA				
E13. Lat/Lon Co	oordinates are:					Rancho Con	·				
E14. Site Elevat	tion (AMSL):					Rancho Con	·	NAD-8	33	0	N/A
						Rancho Con	·	● NAD-8	33	0	N/A
nntenna(s) comp qualification me E16. If the propo	oly with the anter easurement? If No osed antenna(s) o	O, provide as	Fixed Satellite Serns specified in Sea technical analysi in the Fixed Satels, do(es) the propo	ction 25.209 is showing collite Service (	vith geostatii (a) and (b) a ompliance w (FSS), or if t	NAD-27 33.3 meters onary satellite s demonstrate rith two-degree hey operate in	s, do(es) the prod d by the manufa e spacing policy the Fixed Satel	pposed neturer's	• Yes	O No	○ N/A
ntenna(s) comp qualification me E16. If the propo Service (FSS) w n Section 25.20	oly with the anter easurement? If No osed antenna(s) of with non-geostation (9(a2) and (b) as	onna gain patter O, provide as do not operate onary satellites demonstrated	ns specified in Se a technical analysi in the Fixed Satel s, do(es) the propo by the manufactur	ction 25.209 is showing collite Service ( seed antenna( rer's qualification)	with geostatic (a) and (b) a compliance w (FSS), or if t (s) comply w ation measur	NAD-27 33.3 meters onary satellite s demonstrate rith two-degree hey operate in rith the antenn rements?	s, do(es) the production of th	posed acturer's  lite specified	• Yes	○ No	○ N/2
natenna(s) comp qualification me E16. If the propo Service (FSS) w n Section 25.20	oly with the anter easurement? If No osed antenna(s) of with non-geostatic 19(a2) and (b) as ity operated by re	nna gain patter O, provide as do not operate onary satellites demonstrated emote control	rns specified in Se a technical analysi in the Fixed Satel s, do(es) the propo by the manufactur ? If YES, provide	ction 25.209 is showing collite Service ( sed antenna( rer's qualificathe location a	with geostatic (a) and (b) a compliance w (FSS), or if t (s) comply w ation measur and telephor	NAD-27 33.3 meters onary satellite s demonstrate rith two-degree hey operate in rith the antenn rements? ne number of t	s, do(es) the production of th	posed acturer's  lite specified	<ul><li>Yes</li><li>Yes</li><li>Yes</li></ul>	No No	○ N/./
antenna(s) comp qualification me E16. If the propo Gervice (FSS) w in Section 25.20 E17. Is the facili	oly with the anter easurement? If No cosed antenna(s) of with non-geostation (9(a2) and (b) as ity operated by re- ency coordina	nna gain patter O, provide as do not operate onary satellites demonstrated emote control	rns specified in Se a technical analysi in the Fixed Satel s, do(es) the propo by the manufactur? If YES, provide ed? If YES, att	ction 25.209 is showing collite Service (listed antenna) and the location ach a frequency ach a frequency showing the location ach achieves the location achieves the locatio	vith geostatic (a) and (b) a ompliance w (FSS), or if t (s) comply w ation measur and telephor uency coo	NAD-27 33.3 meters onary satellite s demonstrate rith two-degree hey operate ir rith the antenrements? he number of to	s, do(es) the production of the production of the production of the Fixed Satel a gain patterns the control point eport as	posed acturer's	<ul><li>Yes</li><li>Yes</li><li>Yes</li><li>Yes</li></ul>	No No	○ N/2
antenna(s) comp qualification me E16. If the propo Service (FSS) w in Section 25.20 E17. Is the facili E18. Is freque E19. Is coord of coordination	oly with the anter- easurement? If No cosed antenna(s) of with non-geostation (9(a2) and (b) as ity operated by re- ency coordina- lination with a con contours as	nna gain patter O, provide as do not operate onary satellites demonstrated emote control ation require another cours	rns specified in Se a technical analysi in the Fixed Satel s, do(es) the propo by the manufactur ? If YES, provide	ction 25.209 is showing collite Service ( sed antenna) rer's qualificathe location ach a frequal If YES, at	with geostatic (a) and (b) a compliance w (FSS), or if t (s) comply w ation measur and telephor uency coo tach the n	NAD-27 33.3 meters onary satellite s demonstrate rith two-degre hey operate in rith the antenr rements? he number of t rdination re ame of the	s, do(es) the product of by the manufact of spacing policy the Fixed Satel a gain patterns the control point export as country(ies) and the product of the country (ies) and the product of the product o	posed acturer's	<ul><li>Yes</li><li>Yes</li><li>Yes</li></ul>	No No	○ N/.

# 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.

P	n	1	IN	JΊ	ГS	3	n	F	C	•	1	V	n	M	П	I	N	I	C	Δ	П	ľ	(	)	١	J
	.,	4	ш	١.	Lĸ	,	u	ar.	٠.	•	71	V.	ш	V	u	U	17	ш	·	$\mathcal{L}$	V.	ш	u	"		ı

Satellite Name:PERMITTED LIST     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	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
Sacramento Studio	KSPXS01	1	DH	38M4PC48MT	3.8	41.4 dBi at 3.7
Sacramento Studio	KSPXS01	1	DH	38M4PC48MT	3.8	42.5 dBi at 4.2
Sacramento Studio	KSPXS02	1	DH	38M4PC48MT	3.8	41.4 dBi at 3.7
Sacramento Studio	KSPXS02	1	DH	38M4PC48MT	3.8	42.5 dBi at 4.2

E28. Antenna Id	E33/34. Diameter Minor/Major(meters)	E35. Above Ground Level(meters)	E36. Above	Height Above	Input Power	E39. Maximum Antenna Height Above Rooftop(meters)	E40. Iotal
KSPXS01	0.0/0.0	20.4	53.7	21.0	0.0		0.0
KSPXS02	0.0/0.0	20.4	53.7	21.0	0.0	4.8	0.0

#### FREQUENCY

E28. Antenna Id	tenna Frequency T/R Id Bands(MHz) Mod		E46. Antenna	E47. Emission Designator	E48. Maximum EIRP per Carrier(dBW)	E49. Maximum ERIP Density per Carrier(dBW/4kHz)					
KSPXS01	3700 4200	R	Horizontal	36M0G7F	0.0	0.0					
E50. Modu	lation and Services	Digita	l video with associated a	udio subcarrier	s Modulations						
KSPXS02	KSPXS02 3700 4200   R   Horizontal   36M0G7F   0.0   0.0										
E50. Modu	E50. Modulation and Services Digital video with associated audio subcarriers Modulations										

#### FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	I Hradiianev I	E54/55. Range of Satellite Arc	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)
KSPXS01	Geostationary	3700 4200	60.0/143.0	108.86	13.68	212.86	40.07	0.0
KSPXS02	Geostationary	3700 4200	60.0/143.0	108.86	13.68	212.86	40.07	0.0

#### REMOTE CONTROL POINT LOCATION

E61. Call Sign	E	E66. P	hone Number	
NOTE: Please enter the callsign of the controlling station, not the calls	ign for which this application is being filed.			
E62. Street Address				
E63. City	E68. County		E67/68. State/Country	E64. Zip Code

### **SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)**

#### FOR OFFICIAL USE ONLY

Location of Ea	arth Station Site											
E1: Site Ident	ifier:	Sacram	nento TX	E5. Call	Sign:		KSPX-	-TV				
E2: Contact N	lame		Ruppert	E6. Phor	ne Numb	er:	727-53	3-2707				
E3. Street:		14003	River Rd.	E7. City	:		Walnu	Grove				
				E8. Cou	nty:		Sacran	nento				
E4. State		CA		E9. Zip	Code		95690					
E10. Area of	Operation:			Walnut	t Grove	, CA						
E11. Latitude:	:		' 48.07 " N									
E12. Longitud	le:	121 ° 3	60 ' 6.56 " W									
E13. Lat/Lon	Coordinates are:			$\circ$ NA	D-27		NA	D-83		$\bigcirc$ N/	A	
E14. Site Elev	vation (AMSL):			0.0 met	ers							
antenna(s) con	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 pro Service (FSS) in Section 25.2		O Yes	O No	● N/A								
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.											No	
E18. Is freq	uency coordi	nation requ	ired? If YES, at	tach a frequenc	y coord	lination	report as		O Yes	•	No	
	rdination with		ountry required?	If YES, attach	the nar	ne of th	e country(ies) a	nd plot	O Yes	•	No	
is required, regarding t FAILURE	, have you at the potential	tached a contact hazard of Y WITH 4	FR Part 17 and opy of a comple the structure to 47 CFR PARTS	eted FCC Forn o aviation?	n 854 a	nd/or t	the FAA's stud	y	• Yes	0	No	
POINTS OF C	COMMUNICAT	ΓΙΟΝ										
Satellite Na	me:PERMIT	TED LIST	If you selecte	ed OTHER, plea	ase ente	er the fo	llowing:					
E21. Comm	non Name:					E22. IT	ΓU Name:					
E23. Orbit l	Location:					E24. C	ountry:					
POINTS OF C	COMMUNICAT	ΓΙΟΝ (Destin	nation Points)									
E25. Site Id	entifier:											
E26. Comm	on Name:					E	27. Country:					
ANTENNA						''	-					
Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturei	E31. Model	An	232. tenna Size	E41/42. An Reciev		ain Tran Bi at	smint a GHz		
Sacramento TX	KSPXT01	1	DH	38M4PC48M	Т 3.8		41.4 dBi at 3.7					
Sacramento TX	KSPXT01	1	DH	38M4PC48M	Т 3.8		42.5 dBi at 4.2					
E28. Antenna Id  E35. Above Ground Level(meters)  E36. Above Sea Level(meters)  E37. Building Height Above Ground Level(meters)  E39. Max Antenna Above Ground Level(meters)  E36. Above Ground Level(meters)								a Height oove	EIR	. Total P for al rs(dBW)		

FRE(	ш	ENG	77
LIVE	701	D144	

KSPXT01 0.0/0.0

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

0.0

0.0

0.0

3.0

3.0

0.0

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KSPXT01	3700 4200	R    Ho	orizontal	36M0G71	F   0.0		0.0					
	1	vices Digital vi	deo with associated	d audio subca	arriers Mod	ulations	I					
	Y COORDINAT											
E28. Antenna Id  E51. Satellite Orbit Type		E52/53. Frequency Limits(MHz)  E54/55. Rang of Satellite Ar Eastern/Wester 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	na E60. Max ion EIRP De e toward rn Horizon(dB		nsity the		
KSPXT01	Geostationary	3700 4200	60.0/143.0	108.68	13.82	212.8	40.33	0.0				
	ONTROL POINT					-11	II.					
E61. Call Sig NOTE: Pleas E62. Street A	se enter the callsign	n of the controlling	station, not the callsig	n for which this	application is		66. Phone Nun	nber				
E63. City			E	68. County			E67/68. S	State/Countr	у Е64	. Zip Code		
SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)  FOR OFFICIAL USE ONLY												
Location of I	Earth Station Site											
E1: Site Ider	ntifier:	Spokane TX		E5. Ca	ll Sign:	KC	GPX-TV					
E2: Contact	Name	Mark Ruppert		E6. Ph	one Number:	7-533-2707						
E3. Street:		7906 E. Jamie	son Lane	E7. Cit	y:	Sp	okane					
				E8. Co	-	-	okane					
E4. State		WA		E9. Zip		992	223					
E10. Area of	f Operation:			Spoka	ane, WA							
E11. Latitud		47 ° 35 ' 34.17										
E12. Longitu		117 ° 17 ' 50.3	39 " W									
	n Coordinates are:				AD-27	•	NAD-83		$\circ$ N	I/A		
E14. Site Ele	evation (AMSL):			1103.	0 meters							
antenna(s) co	omply with the ant	enna gain patterns	ed Satellite Service (FS specified in Section 25 chnical analysis showi	.209(a) and (b)	as demonstrate	ed by the manufa	acturer's	Yes C	No	○ N/A		
Service (FSS	s) with non-geostat	ionary satellites, d	the Fixed Satellite Servo(es) the proposed ante the manufacturer's qua	enna(s) comply	with the antenn			Yes C	No No	• N/A		
E17. Is the fa	acility operated by	remote control? If	YES, provide the locat	tion and telepho	ne number of t	the control point		Yes	•	No		
E18. Is fre	quency coordir	nation required	? If YES, attach a f	requency cod	ordination re	eport as		Yes	•	No		
II .	ordination with ation contours		y required? If YES	S, attach the r	name of the	country(ies)	and plot	Yes	•	No		
is required regarding FAILURE	d, have you at the potential	tached a copy hazard of the Y WITH 47 C	Part 17 and 47 CF of a completed FC structure to aviati FR PARTS 17 AN	CC Form 854 ion?	4 and/or the	e FAA's stud	y	• Yes	0	No		
	COMMUNICAT	TON	11-OTH				-11					

Satellite Name: PERMITTED LIST   If you selected OTHER, please enter	er 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

ANTENNA											
Site ID	E28. Antenna Id	E29. Quantity Hanufacturer Hanu		tenna		E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)					
Spokane TX	KGPXT01	1	DH	45DH1	OH1 4.5 42		42.9 dBi at 3.7				
Spokane TX	KGPXT01 1 I		DH	45DH1	4.5 4.5		44.0 dBi at 4.2				
E28. Antenna Id  E33/34. Diameter Minor/Major(meters		E35. Above Ground Level(meters)			Height Grou		Input Power at antenna	E39. Maximum Antenna Height Above Rooftop(meters)	EIRP for al		
KGPXT01	0.0/0.0		6.8	1109.8		0.0		0.0	0.0	0.0	

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)					
KGPXT01	3700 4200	R	Horizontal	36M0G7F	0.0	0.0					
E50. Modu	E50. Modulation and Services Digital video with associated audio subcarriers Modulations										

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	Hreamen	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	Antenna Elevation Angle	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
KGPXT01	Geostationary	3700 4200	60.0/143.0	115.36	12.97	213.1	29.92	0.0

REMOTE CONTROL POINT LOCATION

	E61. Call Sign		E66. F	hone Number	
	NOTE: Please enter the callsign of the controlling station, not the calls	ign for which this application is being filed.			
	E62. Street Address				
I F	E63. City	E68. County		E67/68. State/Country	F64 Zin Cod
	Soo. Oily	Loo. County		/	201. 21p Cou

#### SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)

#### FOR OFFICIAL USE ONLY

Location of Earth Station Site Syracuse TX E5. Call Sign: WSPX-TV E1: Site Identifier: 727-533-2707 E2: Contact Name Mark Ruppert E6. Phone Number: 7228 Sevier Rd. E3. Street: E7. City: Jamesville E8. County: Onondaga NY E9. Zip Code 13138 E4. State E10. Area of Operation: Jamesville, NY 42 ° 56 ' 41.9 " N E11. Latitude:

/13/2020		Tittps.//iic	ensing.icc.gov	/ibfsweb/ib.page.F	ешп	-orm?id_app	_num=	=132364&10FM=P0	715_101	i.iiiiiidiiiodc	-uispiay	
E12. Long	itude:	76 °	1 ' 27.8 " W									
E13. Lat/L	on Coordinates	are:			NA	.D-27		NAI	<b>D-83</b>		$\bigcirc$ N/	'A
E14. Site E	Elevation (AMSI	L):		48	3.1 r	meters						
antenna(s)	comply with the	antenna gain	patterns specific	ed in Section 25.20 analysis showing of	9(a) a	nd (b) as dem	onstra	ted by the manufac		• Yes	○ No	○ N/A
Service (FS	SS) with non-geo	stationary sat	ellites, do(es) th	ed Satellite Service ne proposed antenna nufacturer's qualific	ı(s) cc	omply with th	e anter			O Yes	○ No	● N/A
E17. Is the	facility operated	by remote co	ntrol? If YES, p	provide the location	and t	telephone nun	nber of	the control point.		O Yes	•	No
E18. Is fr	equency coor	rdination re	quired? If Y	ES, attach a frec	quen	cy coordina	tion 1	report as		O Yes	•	No
	E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as									O Yes	•	No
is require regardin FAILUR OF THIS	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 COMMUNIC		· · · · · · · · · · · · · · · · · · ·	1 1000000			0.1					
		ITTED LIS	ST   If you s	elected OTHER	, ple							
	nmon Name:							U Name:				
	it Location:					E2	4. Co	untry:				
-	F COMMUNIC	CATION (Des	tination Points	5)			_					
	Identifier:						_					
	nmon Name:						E2	7. Country:				
ANTENNA												
AITEINA					1	E22						
Site ID	E28. Antenna Id	E29. Quantity	E30. Manufactu	rer E31. Mode	I A	E32. Antenna Size		E41/42. Anter Recieve(		in Transn Bi at	nint and	d/or
	E28. Antenna Id			rer E31. Mode  DH-50- GIB-FXD	5.0	Antenna Size	43.8					d/or
Site ID Syracuse	E28. Antenna Id WSPXT01	Quantity	Manufactu	DH-50-		Antenna Size		Recieve(_				d/or
Site ID  Syracuse TX  Syracuse TY	E28. Antenna Id WSPXT01	Quantity	Manufactu DH	DH-50- GIB-FXD DH-50-	5.0	Antenna Size	44.9	Recieve(_				d/or
Site ID  Syracuse TX  Syracuse TX  Syracuse	E28. Antenna Id WSPXT01 WSPXT01 WSPXT02	Quantity	Manufactu  DH  DH	DH-50- GIB-FXD DH-50- GIB-FXD DH-38-	5.0	Antenna Size	44.9	Recieve( dBi at 3.7 dBi at 4.2				d/or
Site ID  Syracuse TX  Syracuse TX  Syracuse TX  Syracuse TX  Syracuse	E28. Antenna Id  WSPXT01  WSPXT01  WSPXT02  WSPXT02	Quantity	Manufactu  DH  DH  DH  DH  CS  E35. Ab  Groun	DH-50- GIB-FXD DH-50- GIB-FXD DH-38- POL DH-38- POL  DH-38- POL	5.0 5.0 3.8 3.8	E37. Buil Height A	44.9 41.4 42.5 ding bove	Recieve( dBi at 3.7 dBi at 4.2 dBi at 4.2 dBi at 4.2 E38. Total	E39. Anter	Maximum Ina Heigh Above	GHz)	d/or D. Total P for al ers(dBW)
Site ID  Syracuse TX  Syracuse TX  Syracuse TX  Syracuse TX  Language TX  E28.  Antennal Id  WSPXT0	E28. Antenna Id  WSPXT01  WSPXT01  WSPXT02  WSPXT02  E33/34. Minor/Ma	Quantity  1  1  1  Diameter	Manufactu  DH  DH  DH  DH  CS  E35. Ab  Groun	DH-50- GIB-FXD  DH-50- GIB-FXD  DH-38- POL  DH-38- POL  Ove d  E36. Above Sea	5.0 5.0 3.8 3.8	E37. Buil Height A	44.9 41.4 42.5 ding bove id ters)	Recieve( dBi at 3.7 dBi at 4.2 dBi at 4.2 E38. Total Input Power at antenna flange(Watts) 0.0	E39. Anter	Maximum Ina Heigh Above	GHz)	D. Total P for al
Site ID  Syracuse TX  Syracuse TX  Syracuse TX  Syracuse TX  Language TX  E28.  Antennal Id  WSPXT0	E28. Antenna Id  WSPXT01  WSPXT01  WSPXT02  WSPXT02  E33/34. Minor/Ma	Quantity  1  1  1  Diameter	Manufactu  DH  DH  DH  DH  E35. Ab  Groun Level(me	DH-50- GIB-FXD DH-50- GIB-FXD DH-38- POL DH-38- POL  ove d E36. Abord Sea Level(met	5.0 5.0 3.8 3.8	E37. Buil Height A Groun Level(me	44.9 41.4 42.5 ding bove id ters)	Recieve( dBi at 3.7 dBi at 4.2 dBi at 4.2 E38. Total Input Power at antenna flange(Watts) 0.0	E39. Anter	Maximum Ina Heigh Above	GHz)  E40 EIR carrie	D. Total P for al
Site ID  Syracuse TX  Syracuse TX  Syracuse TX  Syracuse TX  Syracuse TX  WSPXTO  FREQUEN	E28. Antenna Id  WSPXT01  WSPXT01  WSPXT02  WSPXT02  a E33/34. Minor/Ma  01 0.0/0.0  02 0.0/0.0	Quantity  1  1  Diameter ajor (meter	DH DH DH E35. Ab Groun Level(me) 5.4 3.9	DH-50- GIB-FXD DH-50- GIB-FXD DH-38- POL DH-38- POL  ove d Sea Level(met	5.0 5.0 3.8 3.8	E37. Buil Height A Groun Level(me	44.9 41.4 42.5 ding bove id ters)	Recieve( dBi at 3.7 dBi at 4.2 dBi at 4.2  E38. Total Input Power at antenna flange(Watts)  0.0  0.0	E39. Anter	Maximum nna Heigh Above op(meters	E40 EIR carrie	D. Total P for al ers(dBW)
Site ID  Syracuse TX Syracuse TX Syracuse TX Syracuse TX  Syracuse TX  E28. Antenna Id  WSPXTO FREQUEN  E28. Antenna Id	E28. Antenna Id  WSPXT01  WSPXT01  WSPXT02  WSPXT02  a E33/34. Minor/Ma  01 0.0/0.0  02 0.0/0.0  CY  E43/4  Freque Bands(1	Quantity  1  1  Diameter ajor(meter ajor(meter MHz)	Manufactu  DH  DH  DH  DH  S)  E35. Ab  Groun Level(me  5.4  3.9  E45.  FAR  Ode  Polariz	DH-50- GIB-FXD DH-50- GIB-FXD DH-38- POL DH-38- POL  Ove d Sea Level(me  488.5  487.0  6. Antenna ation(H,V,L,R)	5.0 5.0 3.8 3.8 3.8 <b>De</b>	E37. Buil Height A Groun Level(me 0.0 0.0	44.9 41.4 42.5 ding bove id ters)	Recieve( dBi at 3.7 dBi at 4.2 dBi at 4.2 E38. Total Input Power at antenna flange(Watts) 0.0	E39. Anter A Rooft 0.0 0.0	Maximum nna Heigh Above op(meters Den Carrier(	E40 EIR carrie 0.0 0.0 cimum sity per	D. Total P for al ers(dBW) ERIP
Site ID  Syracuse TX  Syracuse TX  Syracuse TX  Syracuse TX  Syracuse TX  E28. Antenna Id  WSPXTO  FREQUEN  E28. Antenna Id  WSPXTO	E28. Antenna Id  WSPXT01  WSPXT01  WSPXT02  WSPXT02  a E33/34. Minor/Ma  01 0.0/0.0  02 0.0/0.0  CV  E43/4 Freque Bands(10)  1 3700 4200	Quantity  1  1  1  Diameter ajor(meter MHz)  R	Manufactu  DH  DH  DH  DH  E35. Ab  Groun Level(me  5.4  3.9  45. F/R  Ode  Horizor	DH-50- GIB-FXD DH-50- GIB-FXD DH-38- POL DH-38- POL  ove d ters) E36. Above Sea Level(metal) 488.5 487.0  6. Antenna ation(H,V,L,R)	5.0 5.0 3.8 3.8 3.8 0ve ters)	E37. Buil Height A Groun Level(me 0.0 0.0 E47. Emission esignator	44.9 41.4 42.5 ding bove d ters)	Recieve( dBi at 3.7 dBi at 4.2 dBi at 4.2  E38. Total Input Power at antenna flange(Watts) 0.0  0.0  48. Maximum EIRP per Carrier(dBW)	E39. Anter	Maximum nna Heigh Above op(meters Den Carrier(	E40 EIR carrie 0.0 0.0 cimum sity per	D. Total P for al ers(dBW) ERIP
Site ID  Syracuse TX  Syracuse TX  Syracuse TX  Syracuse TX  Syracuse TX  E28. Antenna Id  WSPXTO  FREQUEN  E28. Antenna Id  WSPXTO	E28. Antenna Id  WSPXT01  WSPXT01  WSPXT02  WSPXT02  a E33/34. Minor/Ma  01 0.0/0.0  02 0.0/0.0  CV  E43/4 Freque Bands(10)  1 3700 4200	Quantity  1  1  1  Diameter ajor(meter MHz)  R	Manufactu  DH  DH  DH  DH  E35. Ab  Groun Level(me  5.4  3.9  45. F/R  Ode  Horizor	DH-50- GIB-FXD DH-50- GIB-FXD DH-38- POL DH-38- POL  Ove d Sea Level(me  488.5  487.0  6. Antenna ation(H,V,L,R)	5.0 5.0 3.8 3.8 3.8 0ve ters)	E37. Buil Height A Groun Level(me 0.0 0.0 E47. Emission esignator	44.9 41.4 42.5 ding bove d ters)	Recieve( dBi at 3.7 dBi at 4.2 dBi at 4.2  E38. Total Input Power at antenna flange(Watts) 0.0  0.0  48. Maximum EIRP per Carrier(dBW)	E39. Anter A Rooft 0.0 0.0	Maximum nna Heigh Above op(meters Den Carrier(	E40 EIR carrie 0.0 0.0 cimum sity per	D. Total P for al ers(dBW) ERIP
Site ID  Syracuse TX  Syracuse TX  Syracuse TX  Syracuse TX  Syracuse TX  E28. Antenna Id  WSPXTO FREQUEN  E28. Antenna Id  WSPXTO E50. Moo	E28. Antenna Id  WSPXT01  WSPXT01  WSPXT02  WSPXT02  a E33/34. Minor/Ma  01 0.0/0.0  02 0.0/0.0  CV  E43/4 Freque Bands(10)  1 3700 4200	Quantity  1  1  Diameter ajor(meter MHz)  R Services Di	Manufactu  DH  DH  DH  E35. Ab  Groun Level(me  5.4  3.9  A5. Polariz  Horizor  gital video w	DH-50- GIB-FXD DH-50- GIB-FXD DH-38- POL DH-38- POL  Ove d Sea Level(me  488.5 487.0  6. Antenna ation(H,V,L,R)	5.0 5.0 3.8 3.8 3.8 0ve ters)	E37. Buil Height A Groun Level(me 0.0 0.0 E47. Emission esignator	44.9 41.4 42.5 ding bove d ters)	Recieve( dBi at 3.7 dBi at 4.2 dBi at 4.2  E38. Total Input Power at antenna flange(Watts) 0.0  0.0  48. Maximum EIRP per Carrier(dBW)	E39. Anter A Rooft 0.0 0.0	Maximum nna Heigh Above op(meters Den Carrier(	E40 EIR carrie 0.0 0.0 cimum sity per	D. Total P for al ers(dBW) ERIP
Site ID  Syracuse TX  Syracuse TX  Syracuse TX  Syracuse TX  E28. Antenna Id  WSPXTO FREQUEN  E28. Antenna Id  WSPXTO FREQUEN  E50. Mod WSPXTO E50. Mod	E28. Antenna Id  WSPXT01  WSPXT01  WSPXT02  WSPXT02  WSPXT02  a E33/34. Minor/Ma  01 0.0/0.0  02 0.0/0.0  CY  E43/4 Freque Bands(I)  01 3700 4200 dulation and Solution and So	Quantity  1  1  1  Diameter ajor(meter ajor(	Manufactu  DH  DH  DH  DH  S)  E35. Ab  Groun Level(me  5.4  3.9  A5.  Horizor gital video w Horizor	DH-50- GIB-FXD DH-50- GIB-FXD DH-38- POL DH-38- POL  Ove d Sea Level(me  488.5 487.0  6. Antenna ation(H,V,L,R)	5.0 5.0 3.8 3.8 3.8 0ve ters) FD6 36N udio	E37. Buil Height A Ground Level(me 0.0 0.0 0.0 E47. Emission esignator MOG7F subcarrier MOG7F	44.9 41.4 42.5 ding bove id ters) E (0.0 s Moo	Recieve( dBi at 3.7 dBi at 4.2 dBi at 4.2  E38. Total Input Power at antenna flange(Watts) 0.0 0.0  48. Maximum EIRP per Carrier(dBW)	E39. Anter A Rooft 0.0 0.0 0.0	Maximum nna Heigh Above op(meters Den Carrier(	E40 EIR carrie 0.0 0.0 cimum sity per	D. Total P for al ers(dBW) ERIP
Syracuse TX Syracuse TX Syracuse TX Syracuse TX Syracuse TX Syracuse TX  E28. Antenna Id WSPXTO FREQUEN  E28. Antenna Id WSPXTO E50. Mod WSPXTO E50. Mod	E28. Antenna Id  WSPXT01  WSPXT01  WSPXT02  WSPXT02  WSPXT02  a E33/34. Minor/Ma  01 0.0/0.0  02 0.0/0.0  02 0.0/0.0  03 Freque Bands(1)  01 3700 4200  dulation and S  02 3700 4200	Quantity  1  1  1  Diameter ajor(meter ajor(	Manufactu  DH  DH  DH  DH  S)  E35. Ab  Groun Level(me  5.4  3.9  A5.  Horizor gital video w Horizor	DH-50- GIB-FXD  DH-50- GIB-FXD  DH-38- POL  DH-38- POL  Ove d  E36. Above Sea Level(metal)  488.5  487.0  6. Antenna ation(H,V,L,R)  Intal with associated a intal	5.0 5.0 3.8 3.8 3.8 0ve ters) FD6 36N udio	E37. Buil Height A Ground Level(me 0.0 0.0 0.0 E47. Emission esignator MOG7F subcarrier MOG7F	44.9 41.4 42.5 ding bove id ters) E (0.0 s Moo	Recieve( dBi at 3.7 dBi at 4.2 dBi at 4.2  E38. Total Input Power at antenna flange(Watts) 0.0 0.0  48. Maximum EIRP per Carrier(dBW)	E39. Anter A Rooft 0.0 0.0 0.0	Maximum nna Heigh Above op(meters Den Carrier(	E40 EIR carrie 0.0 0.0 cimum sity per	D. Total P for al ers(dBW) ERIP

FREQUENC	Y CO	ORDINATI	UN
F2Q	F51	Satallita	

E28.	E51. Satellite	E52/53.	E54/55. Range	E56.	∥ E57.	E58. Earth	E59.	E60. Maximum	1
Antenna	Orbit Type	Frequency	of Satellite Arc	Earth	Antenna	Station	Antenna	EIRP Density	ı
Id		Limits(MHz)		Station	Elevation	Azimuth	Elevation	·	

			Eastern/Western Limit	Azimuth Angle Eastern Limit	Angle Eastern Limit	Angle Western Limit	Angle Western Limit	toward the Horizon(dBW/4kHz)
WSPXT01	Geostationary	3700 4200	60.0/143.0	157.15	37.86	253.86	8.15	0.0
WSPXT02	Geostationary	3700 4200	60.0/143.0	157.15	37.86	253.86	8.15	0.0

WSPXT02 Geostationary	3700 4200	60.0/143.0	157.15	37.86	253.86	8.15	0.0			
REMOTE CONTROL POINT	LOCATION	- 11		11	''	'	31			
E61. Call Sign						E66. Phone N	umber			
NOTE: Please enter the callsign of	of the controlling	station, not the calls	ign for which th	is application i	is being filed.					
E62. Street Address										
E63. City			E68. County			E67/68	3. State/Cou	ntry E6	4. Zip Code	
,			,			/			1	
	SATEI	LITE EARTI	H STATIO	N AUTH	ORIZATI	ONS				
FC		2 - Schedule B					on)			
			(	У Р		I	,			
		FOR O	OFFICIAL U	JSE ONLY						
Location of Earth Station Site E1: Site Identifier:	Washinatan	TV	E5 C-11 C:-		WD	VW TV				
E2: Contact Name	Washington Mark Rupp		E5. Call Sig E6. Phone N			XW-TV -533-2707				
E3. Street:	5202C Rive			vuiliber:		-333-2707 hesda				
E3. Sifeet:	3202C KIVE	or Ku.	E7. City:							
E4. State	MD		E8. County:		208	ntgomery				
	MD		E9. Zip Cod		208	10				
E10. Area of Operation:	38 ° 57 ' 50	0 " N	Bethesda,	MD						
	77 ° 6 ' 18.0									
E12. Longitude: E13. Lat/Lon Coordinates are:	// 0 16.0	) VV	ONAD	27	(A) 1	NIAD 02		O NI	,,	
			O NAD-2			NAD-83		$\bigcirc N$	/A	
E14. Site Elevation (AMSL):			75.0 meters				<b>r</b>			
E15. If the proposed antenna(s) of antenna(s) comply with the anten qualification measurement? If NO	na gain patterns	specified in Section 2	25.209(a) and (b	) as demonstra	ted by the man	ufacturer's	• Yes	○ No	○ N/A	
E16. If the proposed antenna(s) d										
Service (FSS) with non-geostatio in Section 25.209(a2) and (b) as of	nary satellites, d	o(es) the proposed an	tenna(s) comply	y with the anter			O Yes	O No	N/A	
E17. Is the facility operated by re	mote control? If	YES, provide the loc	ation and telepl	none number o	f the control po	int.	O Yes	•	No	
E18. Is frequency coordina	tion required	? If YES, attach a	frequency co	oordination	report as		O Yes	•	No	
E19. Is coordination with a		y required? If YE	ES, attach the	name of the	e country(ies	s) and plot	O Yes	•	No	
of coordination contours as							0 103		110	
is required, have you atta regarding the potential ha	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							0	No	
POINTS OF COMMUNICATION	ON									
Satellite Name:PERMITTI	ED LIST     If	vou selected OTI	HER, please	enter the fol	lowing:					

Satellite Name:PERMITTED LIST     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

111 11 231 11 111	MIENNA									
Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	$\mathbf{A}$	E32. ntenna Size	E41/42. Anten Recieve(_	na Gain Transmi dBi at(	nt and/or GHz)	
Washington TX			DH	DH-42- GIB-DP 4.2 4			2 42.3 dBi at 3.7			
Washington TX	WPXWT01	1	II )H	DH-42- GIB-DP	4.2	43	43.4 dBi at 4.2			
E28. Antenna Id	E33/34. Diameter Minor/Major(meters)		E35. Above Ground Level(meters)	E36. Above Sea Level(meters)		Ground	ve Input Power at antenna	E39. Maximum Antenna Height Above Rooftop(meters)	E40. Total EIRP for al carriers(dBW	
WPXWT01	0.0/0.0		5.5	80.5		16.0	0.0	4 9	0.0	

#### 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)				
WPXWT01	3700 4200	R	Horizontal	36M0G7F	0.0	0.0				
E50. Modula	E50. Modulation and Services Digital video with associated audio subcarriers Modulations									

#### FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	Hraniianev	E54/55. Range of Satellite Arc Eastern/Western Limit	Azimuth	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)
WPXWT01	Geostationary	3700 4200	60.0/143.0	153.92	41.49	254.29	10.05	0.0

#### REMOTE CONTROL POINT LOCATION

E61. Call Sign		E66. Phone Number	
NOTE: Please enter the callsign of the controlling station, not the calls:	ign for which this application is being filed.		
E62. Street Address			
F(2, C).	E(0, C - 4	E(7/(0, 0, 1 / (0 - 1 - 1	E(4.7', C, 1
E63. City	E68. County	E67/68. State/Country	E04. 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.