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ENGINEERING / COMPLIANCE

FAX

NUMBER OF PAGES INCLUDING COVER SHEET: 23

DATE: 12/5/06

TO: ELEANOR LOTT

FROM: SHEILA SMITH

FAX: (802) 418-1414

FAX: (215) 972-6170

PHONE: (802) 418-0728

PHONE: (215) 320-7454

CONTENTS: FORM 312 + FREQ COORDINATION
REPORT.

COMMENTS:

Urgent For Review Please Comment Please Reply Confidential

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

If VSAT Network, provide the SITE-ID (Item B1b) of the station that B8-B13 are in response to (HUB, REMOTE1, etc.): _____

B8. 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 measurements? If NO, provide as an exhibit, a technical analysis showing compliance with two-degree spacing policy.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO															
B9. 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?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO															
B10. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO															
Remote Control Point Location:																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="5" style="padding: 2px;">B10a. Street Address</td> </tr> <tr> <td style="width: 30%; padding: 2px;">B10b. City</td> <td style="width: 30%; padding: 2px;">B10c. County</td> <td style="width: 20%; padding: 2px;">B10d. State / Country</td> <td colspan="2" style="width: 20%; padding: 2px;">B10e. Zip Code</td> </tr> <tr> <td style="padding: 2px;">B10f. Telephone Number</td> <td colspan="4" style="padding: 2px;">B10g. Call Sign of Control Station (if appropriate)</td> </tr> </table>			B10a. Street Address					B10b. City	B10c. County	B10d. State / Country	B10e. Zip Code		B10f. Telephone Number	B10g. Call Sign of Control Station (if appropriate)			
B10a. Street Address																	
B10b. City	B10c. County	B10d. State / Country	B10e. Zip Code														
B10f. Telephone Number	B10g. Call Sign of Control Station (if appropriate)																
B11. Is frequency coordination required? If YES, attach a frequency coordination report as an exhibit.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO															
B12. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as an exhibit.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO															
B13. 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.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO															

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12/05/2006 16:54 FAX

FCC 312
Main Form

Approved by OMB
3060-0678

Est. Avg. Burden Hour
Per Response: 11 Hrs.

FCC Use Only

File Number:

Call Sign:

Fee Number:

FEDERAL COMMUNICATIONS COMMISSION

APPLICATION FOR SATELLITE SPACE AND EARTH STATION AUTHORIZATIONS

APPLICANT INFORMATION

1. Legal Name of Applicant Comcast of Florida/Washington, LLC		2. Voice Telephone Number (215) 665-1700	
3. Other Name Used for Doing Business (if any)		4. Fax Telephone Number (215) 381-7830	
5. Mailing Street Address or P.O. Box 1500 Market Street ATTENTION: Sheila Smith		6. City Philadelphia	
		7. State / Country (if not U.S.A.) PA	8. Zip Code 19102
9. Name of Contact Representative (If other than applicant) Sheila Smith		10. Voice Telephone Number (215) 320-7454	
11. Firm or Company Name Comcast Communications		12. Fax Telephone Number (215) 972-6170	
13. Mailing Street Address or P.O. Box 1500 Market Street ATTENTION: Sheila Smith		14. City Philadelphia	
		15. State / Country (if not U.S.A.) PA	16. Zip Code 19102

CLASSIFICATION OF FILING

17. Place an "X" in the box next to the classification that applies to this filing for both questions a. and b. Mark only one box for 17a and only one box for 17b.

<input checked="" type="checkbox"/> a1. Earth Station	<input type="checkbox"/> b1. Application for License of New Station	<input type="checkbox"/> b6. Transfer of Control of License or Registration
<input type="checkbox"/> a2. Space Station	<input checked="" type="checkbox"/> b2. Application for Registration of New Domestic Receive-Only Station	<input type="checkbox"/> b7. Notification of Minor Modification
	<input type="checkbox"/> b3. Amendment to a Pending Application	<input type="checkbox"/> b8. Application for License of New Receive-Only Station Using Non-U.S. Licensed Satellite
	<input type="checkbox"/> b4. Modification of License or Registration	<input type="checkbox"/> b9. Letter of Intent to Use Non-U.S. Licensed Satellite to Provide Service in the United States
	<input type="checkbox"/> b5. Assignment of License or Registration	<input type="checkbox"/> b10. Other (Please Specify): _____

18. If this filing is in reference to an existing station, enter: Call sign of station:	19. If this filing is an amendment to a pending application enter: (a) Date pending application was filed: _____ (b) File number of pending application: _____
--	---

TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provide or use the following type(s) of service(s): Place an "X" in the box(es) next to all that apply.

a. Fixed Satellite
 c. Radiodetermination Satellite
 e. Direct to Home Fixed Satellite
 b. Mobile Satellite
 d. Earth Exploration Satellite
 f. Digital Audio Radio Service
 g. Other (please specify) _____

21. STATUS: Place an "X" in the box next to the applicable status. Mark only one box.

a. Common Carrier
 b. Non-Common Carrier

22. If earth station applicant, place an "X" in the box(es) next to all that apply.

a. Using U.S. licensed satellites
 b. Using Non-U.S. licensed satellites

23. If applicant is providing INTERNATIONAL COMMON CARRIER service, see instructions regarding Sec. 214 filings. Mark only one box. Are these facilities:

a. Connected to the Public Switched Network
 b. Not connected to the Public Switched Network

24. FREQUENCY BAND(S): Place an "X" in the box(es) next to all applicable frequency band(s).

a. C-Band (4/6 GHz)
 b. Ku-Band (12/14 GHz)
 c. Other (Please specify) _____

TYPE OF STATION

25. CLASS OF STATION: Place an "X" in the box next to the class of station that applies. Mark only one box.

a. Fixed Earth Station
 b. Temporary-Fixed Earth Station
 c. 12/14 GHz VSAT Network
 d. Mobile Earth Station
 e. Space Station
 f. Other (Specify) _____

If space station applicant, go to Question 27.

26. TYPE OF EARTH STATION FACILITY Mark only one box.

a. Transmit/Receive
 b. Transmit-Only
 c. Receive-Only

PURPOSE OF MODIFICATION OR AMENDMENT

27. The purpose of this proposed modification or amendment 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 assigned frequency(ies)
 h -- authorization to add Points of Communication (satellites & countries)
 i -- authorization to change Points of Communication (satellites & countries)
 j -- authorization for facilities for which environmental assessment and radiation hazard reporting is required
 k -- Other (Please Specify) _____

ENVIRONMENTAL POLICY

28. Would a Commission grant of any proposal in this application or amendment have a significant environmental impact as defined by 47 CFR 1.1307? If YES, submit the statement as required by Sections 1.1308 and 1.1311 of the Commission's rules, 47 C.F.R. §§ 1.1308 and 1.1311, as an exhibit to this application.

YES
 NO

A Radiation Hazard Study must accompany all applications as an exhibit for new transmitting facilities, major modifications, or major amendments. Refer to OET Bulletin 65.

ALIEN OWNERSHIP

29. Is the applicant a foreign government or the representative of any foreign government?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
30. Is the applicant an alien or the representative of an alien?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
31. Is the applicant a corporation organized under the laws of any foreign government?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
32. Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
33. Is the applicant a corporation directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
34. If any answer to questions 29, 30, 31, 32 and/or 33 is Yes, attach as an exhibit, the identification of the aliens or foreign entities, their nationality, their relationship to the applicant, and the percentage of stock they own or vote.		

BASIC QUALIFICATIONS

35. Does the applicant request any waivers or exemptions from any of the Commission's Rules? If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
36. Has the applicant or any party to this application had any FCC station authorization or license revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? If Yes, attach as an exhibit, an explanation of the circumstances.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
37. Has the applicant, or any party to this application, or any party directly or indirectly controlling the applicant ever been convicted of a felony by any state or federal court? If Yes, attach as an exhibit, an explanation of the circumstances.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
38. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement or any other means or unfair methods of competition? If Yes, attach as an exhibit, an explanation of the circumstances.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
39. Is the applicant, or any person directly or indirectly controlling the applicant, currently a party in any pending matter referred to in the preceding two items? If Yes, attach as an exhibit, an explanation of the circumstances.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
40. If the applicant is a corporation and is applying for a space station license, attach as an exhibit the names, addresses, and citizenship of those stockholders owning of record and/or voting 10 percent or more of the Filer's voting stock and the percentages so held. In the case of fiduciary control, indicate the beneficiary(ies) or class of beneficiaries. Also list the names and addresses of the officers and directors of the Filer.		
41. By checking Yes, the undersigned certifies, that neither the applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application" for these purposes.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
42a. Does the applicant intend to use a non-U.S. licensed satellite to provide service in the United States? If yes, answer 42b and attach an exhibit providing the information specified in 47 C.F.R. § 25.137, as appropriate. If no, proceed to question 43.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, what administration has coordinated or is in the process of coordinating the space station? _____		

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FEDERAL COMMUNICATIONS COMMISSION

FCC 312 - Schedule A

(Place an "X" in one of the blocks below)

- | | |
|---|--|
| <input type="checkbox"/> CONSENT TO TRANSFER OF CONTROL | <input type="checkbox"/> CONSENT TO ASSIGNMENT OF LICENSE |
| <input type="checkbox"/> NOTIFICATION OF TRANSFER OF CONTROL OF RECEIVE ONLY REGISTRATION | <input type="checkbox"/> NOTIFICATION OF ASSIGNMENT OF RECEIVE ONLY REGISTRATION |

FCC Use Only

A1. Name of Licensee or Registrant			A2. Voice Telephone Number		
A3. Mailing Street Address or P.O. Box			A4. Fax Telephone Number		
ATTENTION:					
A5. City		A6. State / Country (if not U.S.A.)		A7. Zip Code	
A8. List Call Sign(s) of station(s) being assigned or transferred					A9. No. of station(s) listed
A10. Name of Transferor/Assignor (if different than licensee or registrant)			A15. Name of Transferee/Assignee		
A11. Mailing Street Address or P.O. Box			A16. Mailing Street Address or P.O. Box		
A12. City	A13. State/Country	A14. Zip Code	A17. City	A18. State/Country	A19. Zip Code
A20. If these facilities are licensed, is the transferee/assignee directly or indirectly controlled by any other entity? If Yes, attach as an exhibit, a statement (including organizational diagrams where appropriate) which fully and completely identifies the nature and extent of control including: (1) the name, address, citizenship, and primary business of the controlling entity and any intermediate subsidiaries or parties; and (2) the names, addresses, citizenship, and the percentages of voting and equity stock of those stockholders holding 10 percent or more of the controlling corporation's voting stock.					
				<input type="checkbox"/> YES	<input type="checkbox"/> NO
A21. If these facilities are licensed, attach as an exhibit, a complete statement setting forth the facts which show how the assignment or transfer will serve the public interest.					

CERTIFICATION

1. The undersigned, individually and for licensee, certifies that all attached exhibits pertinent to Schedule A and all statements made in Schedule A of this application are true, complete and correct to the best of his/her knowledge and belief. The undersigned also certifies that any contracts or other instruments submitted herewith are complete and constitute the full agreement.			
2. The undersigned represents that stock will not be delivered and that control will not be transferred until the Commission's consent has been received, but that transfer of control or assignment of license will be completed within 60 days of Commission consent. The undersigned also acknowledges that the Commission must be notified by letter within 30 days of consummation.			
A22. Printed Name of Licensee (Must agree with A1)	A23. Signature	A24. Title (Office Held by Person Signing)	A25. Date
A26. Printed Name of License Transferor/Assignor <small>(if different than licensee. Must agree with A10)</small>	A27. Signature	A28. Title (Office Held by Person Signing)	A29. Date
A30. Printed Name of License Transferee/Assignee <small>(Must agree with A15)</small>	A31. Signature	A32. Title (Office Held by Person Signing)	A33. Date

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12/05/2006 16:57 FAX

**Remittance ID:1091147 Authorization
Number:010163
Successful Authorization -- Date Paid: 12/1/06
FILE COPY ONLY!!**

READ INSTRUCTIONS CAREFULLY BEFORE PROCEEDING (1) LOCKBOX #358160	FEDERAL COMMUNICATIONS COMMISSION REMITTANCE ADVICE FORM 159 PAGE NO 1 OF 1	APPROVED BY OMB 3060-059 SPECIAL USE FCC USE ONLY
SECTION A - Payer Information		
(2) PAYER NAME (if paying by credit card, enter name exactly as it appears on your card) Comcast of Florida/Washington,LLC		(3) TOTAL AMOUNT PAID (dollars and cents) \$365.00
(4) STREET ADDRESS LINE NO. 1 1500 Market Street		
(5) STREET ADDRESS LINE NO. 2		
(6) CITY Philadelphia	(7) STATE PA	(8) ZIP CODE 19102
(9) DAYTIME TELEPHONE NUMBER (INCLUDING AREA CODE) 215-9817665		(10) COUNTRY CODE (IF NOT IN U.S.A.) US
FCC REGISTRATION NUMBER (FRN) AND TAX IDENTIFICATION NUMBER (TIN) REQUIRED		
(11) PAYER (FRN) 0013431929		(12) FCC USE ONLY
IF PAYER NAME AND THE APPLICANT NAME ARE DIFFERENT, COMPLETE SECTION B IF MORE THAN ONE APPLICANT, USE CONTINUATION SHEETS (FORM 159-C)		
(13) APPLICANT NAME Comcast of Florida/Washington,LLC		
(14) STREET ADDRESS LINE NO. 1 1500 Market Street		
(15) STREET ADDRESS LINE NO. 2		
(16) CITY Philadelphia	(17) STATE PA	(18) ZIP CODE 19102-
(19) DAYTIME TELEPHONE NUMBER (INCLUDING AREA CODE) 215-320-7454		(20) COUNTRY CODE (IF NOT IN U.S.A.) US
FCC REGISTRATION NUMBER (FRN) AND TAX IDENTIFICATION NUMBER (TIN) REQUIRED		
(21) APPLICANT (FRN) 0013431929		(22) FCC USE ONLY
COMPLETE SECTION C FOR EACH SERVICE, IF MORE BOXES ARE NEEDED, USE CONTINUATION SHEET		
(23A) FCC Call Sign/Other ID	(24A) Payment Type Code(PTC) CMO	(25A) Quantity 1
(26A) Fee Due for (PTC) \$365.00	(27A) Total Fee \$365.00	FCC Use Only
(28A) FCC CODE 1	(29A) FCC CODE 2 IB2006003155	
(23B) FCC Call Sign/Other ID	(24B) Payment Type Code(PTC)	(25B) Quantity
(26B) Fee Due for (PTC)	(27B) Total Fee	FCC Use Only
(28B) FCC CODE 1	(29B) FCC CODE 2	

FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for
COWLITZ CABLEVISION INC
LONGVIEW, WA
Satellite Earth Station

Prepared By:
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147
November 01, 2006

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3. SUPPLEMENTAL SHOWING	6
4. EARTH STATION COORDINATION DATA	7
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1. CONCLUSIONS

An interference study considering all existing, proposed and prior coordinated microwave facilities within the coordination contours of the proposed earth station demonstrates that this site will operate satisfactorily with the common carrier microwave environment. Further, there will be no restrictions of its operation due to interference considerations.

2. SUMMARY OF RESULTS

A number of great circle interference cases were identified during the interference study of the proposed earth station. Each of the cases, which exceeded the interference objective on a line-of-sight basis, was profiled and the propagation losses estimated using NBS TN101 (Revised) techniques. The losses were found to be sufficient to reduce the signal levels to acceptable magnitudes in every case.

No carriers reported potential interference cases.

3. SUPPLEMENTAL SHOWING

Pursuant to Part 25.203(c) of the FCC Rules and Regulations, the satellite earth station proposed in this application was coordinated by Comsearch using computer techniques and in accordance with Part 25 of the FCC Rules and Regulations.

Coordination data for this earth station was sent to the below listed carriers with a letter dated 10/04/2006.

Company
BorderComm Partners LP (XC)
The Boeing Company

4. EARTH STATION COORDINATION DATA

This section presents the data pertinent to frequency coordination of the proposed earth station that was circulated to all carriers within its coordination contours.

COMSEARCH**Earth Station Data Sheet**

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 <http://www.comsearch.com>

Date: 11/01/2006
Job Number: 061004COMSTF04

Administrative Information

Status ENGINEER PROPOSAL
Call Sign
Licensee Code COWCAB
Licensee Name COWLITZ CABLEVISION INC

Site Information LONGVIEW, WA

Venue Name
Latitude (NAD 83) 46° 7' 34.9" N
Longitude (NAD 83) 122° 56' 5.4" W
Climate Zone A
Rain Zone 3
Ground Elevation (AMSL) 1.21 m / 4.0 ft

Link Information

Satellite Type Geostationary
Mode RO - Receive-Only
Modulation Analog
Satellite Arc 60° W to 143° West Longitude
Azimuth Range 110.2° to 206.9°
Corresponding Elevation Angles 9.8° / 33.4°
Antenna Centerline (AGL) 2.74 m / 9.0 ft

Antenna Information**Receive - R40501**

Manufacturer SATCOM
Model 500CS
Gain / Diameter 44.3 dBi / 5.0 m
3-dB / 15-dB Beamwidth 1.06° / 2.10°

Interference Objectives: Long Term -156.0 dBW/MHz 20%
Short Term -146.0 dBW/MHz 0.01%

Frequency Information**Receive 4.0 GHz**

Emission / Frequency Range (MHz) 36M0F8W / 3700.0 - 4200.0

Max Great Circle Coordination Distance 350.3 km / 217.7 mi
Precipitation Scatter Contour Radius 390.1 km / 242.4 mi

COMSEARCH**Earth Station Data Sheet**

19700 Janelia Farm Boulevard, Ashburn, VA 20147

(703)726-5500 <http://www.comsearch.com>

Coordination Values	LONGVIEW, WA	
Licensee Name	COWLITZ CABLEVISION INC	
Latitude (NAD 83)	46° 7' 34.9" N	
Longitude (NAD 83)	122° 56' 5.4" W	
Ground Elevation (AMSL)	1.21 m / 4.0 ft	
Antenna Centerline (AGL)	2.74 m / 9.0 ft	
Antenna Model	SATCOM 500CS	
Antenna Mode	Receive 4.0 GHz	
Interference Objectives: Long Term	-156.0 dBW/MHz	20%
Short Term	-146.0 dBW/MHz	0.01%

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	1.92	110.02	-9.70	198.19
5	2.02	105.08	-9.70	195.46
10	1.67	100.12	-9.70	204.91
15	1.27	95.16	-9.70	213.44
20	1.50	90.22	-9.70	206.96
25	0.61	85.28	-9.70	244.17
30	0.82	80.34	-9.70	231.90
35	1.13	75.40	-9.70	217.76
40	1.75	70.43	-9.70	202.61
45	2.47	65.44	-9.70	185.34
50	2.54	60.49	-9.70	183.56
55	2.98	55.50	-9.70	173.39
60	2.82	50.58	-9.70	177.16
65	2.69	45.66	-9.70	180.12
70	2.72	40.74	-8.00	187.95
75	2.59	35.86	-7.89	191.35
80	1.87	31.15	-7.86	205.59
85	1.93	26.35	-7.82	206.45
90	2.57	21.43	-6.27	199.61
95	2.85	16.71	-3.72	205.98
100	2.35	12.63	-0.33	233.77
105	2.33	9.11	3.19	258.09
110	2.36	7.46	6.47	350.32
115	1.72	9.39	2.91	275.79
120	1.20	12.84	-0.54	270.26
125	1.06	16.03	-3.32	256.61
130	0.53	19.43	-5.36	276.85
135	0.00	22.69	-6.78	306.61
140	0.00	25.37	-7.81	299.62
145	0.00	27.85	-7.85	299.31
150	0.00	30.10	-7.76	299.95
155	0.00	32.09	-7.71	300.27
160	0.75	33.08	-7.75	247.28
165	2.13	33.08	-7.70	202.23
170	2.15	34.01	-7.71	201.83
175	1.94	34.79	-7.79	206.26
180	2.10	34.83	-7.80	202.56
185	1.92	34.81	-7.77	204.49

COMSEARCH**Earth Station Data Sheet**

19700 Janelia Farm Boulevard, Ashburn, VA 20147
 (703)726-5500 <http://www.comsearch.com>

Coordination Values	LONGVIEW, WA
Licensee Name	COWLITZ CABLEVISION INC
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Antenna Mode	Receive 4.0 GHz
Interference Objectives: Long Term	-156.0 dBW/MHz 20%
Short Term	-146.0 dBW/MHz 0.01%

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	2.21	33.95	-7.78	200.19
195	1.89	33.31	-7.84	204.92
200	1.92	32.10	-7.80	206.67
205	2.26	31.15	-7.84	198.86
210	2.25	31.25	-7.81	199.10
215	2.39	31.92	-7.82	196.10
220	2.46	33.32	-7.84	194.37
225	2.24	35.56	-7.70	200.00
230	2.06	38.21	-7.74	203.66
235	1.84	41.26	-8.20	204.65
240	1.63	44.58	-9.53	206.55
245	1.78	47.93	-9.70	201.84
250	1.57	51.66	-9.70	205.12
255	1.46	55.48	-9.70	207.95
260	1.40	59.40	-9.70	209.84
265	0.80	63.58	-9.70	232.69
270	0.00	67.82	-9.70	287.20
275	0.00	71.87	-9.70	287.20
280	0.00	75.97	-9.70	287.20
285	0.00	80.11	-9.70	287.20
290	0.00	84.27	-9.70	287.20
295	0.52	88.43	-9.70	250.12
300	1.47	92.66	-9.70	207.91
305	1.07	96.87	-9.70	219.68
310	0.21	100.97	-9.70	285.59
315	0.21	105.10	-9.70	285.66
320	0.23	109.21	-9.70	282.94
325	0.39	113.30	-9.70	264.39
330	0.91	117.47	-9.70	226.68
335	1.81	121.75	-11.45	192.80
340	2.22	125.81	-14.70	164.38
345	2.46	124.89	-14.59	158.99
350	2.27	119.94	-9.70	189.70
355	1.56	114.94	-9.70	205.33

COMSEARCH

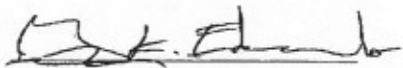
Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 <http://www.comsearch.com>

5. CERTIFICATION

I HEREBY CERTIFY THAT I AM THE TECHNICALLY QUALIFIED PERSON RESPONSIBLE FOR THE PREPARATION OF THE FREQUENCY COORDINATION DATA CONTAINED IN THIS APPLICATION, THAT I AM FAMILIAR WITH PARTS 101 AND 25 OF THE FCC RULES AND REGULATIONS, THAT I HAVE EITHER PREPARED OR REVIEWED THE FREQUENCY COORDINATION DATA SUBMITTED WITH THIS APPLICATION, AND THAT IT IS COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Jeff
C...*



BY: _____

Gary Edwards
Senior Manager
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147

DATED: November 01, 2006