

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
STA to operate at new uplink frequency

1. Applicant

Name:	Interstate Communications, Inc.	Phone Number:	225-291-2727 x203
DBA Name:		Fax Number:	225-297-7539
Street:	10500 Coursey Boulevard	E-Mail:	jim@louisianaradionetwork.com
	Suite 104		
City:	Baton Rouge	State:	LA
Country:	USA	Zipcode:	70816
Attention:	Mr James Engster		

SES-STA-2012-0621-00612

E050083
Call Sign (or other identifier)
Grant Date 6-29-12

7-1-12
Term Date 7-31-12
From [Signature]
Approved [Signature]

CONFIDENTIAL
FEDERAL BUREAU OF INVESTIGATION

Applicant: Interstate Communications, Inc.
Call Sign: E050083
File No.: SES-STA-20120621-00612
Special Temporary Authority (STA)

Interstate Communications, Inc. (ICI) is granted STA for a 30-day period to uplink on carrier frequency 6171.5 MHz. No harmful interference can be caused to any lawfully operating satellite network or radio communication system and ICI's operations must cease immediately upon notification of harmful interference. Further, ICI shall notify the Commission in writing that it has received such a notification within 14 days of receipt.



SES-STA-20120621-00612
E050083
Call Sign E050083 Grant Date 6-29-12
(or other identifier)
From 7-1-12 Term Dates 7-31-12
Approved Paul E. Hoyer

2. Contact			
Name:	Michael Patton	Phone Number:	225-752-4189
Company:	Michael Patton & Associates	Fax Number:	225-756-3343
Street:	12231 Industriplex Blvd Suite C	E-Mail:	mike@michaelpatton.com
City:	Baton Rouge	State:	LA
Country:	USA	Zipcode:	70809 -
Attention:	Michael Patton	Relationship:	Engineer
(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)			
3. Reference File Number or Submission ID			
4a. Is a fee submitted with this application?			
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).			
<input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee			
<input type="radio"/> Other (please explain):			
4b. Fee Classification CGX - Fixed Satellite Transmit/Receive Earth Station			
5. Type Request			
<input checked="" type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input type="radio"/> Other			
6. Requested Use Prior Date		8. Latitude	
07/01/2012		(dd mm ss.s h) 30 24 56.0 N	
7. City Baton Rouge			

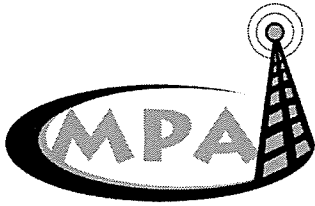
9. State LA	10. Longitude (dd mm ss.s h) 91 3 50.8 W
11. Please supply any need attachments. Attachment 1: Cover letter Attachment 2: Freq Coordination Attachment 3:	
12. Description. (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.) Application for STA to operate our C-band uplink transmitter on a frequency not authorized under our current license until our application for a changed frequency can be processed and granted.	
13. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application" and "party to the application"; for these purposes. Yes <input checked="" type="radio"/> No <input type="radio"/>	
14. Name of Person Signing James Engster	15. Title of Person Signing President and General Manager
WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).	

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.



MICHAEL PATTON & ASSOCIATES

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WWW.MICHAELPATTON.COM

mike@michaelpatton.com

Federal Communications Commission
International Bureau
445 12th Street, S.W.
Washington D.C. 20554

June 20, 2012

re: STA request for license E050083, Interstate Communications, Inc.

Gentlefolk:

This letter is being submitted as an explanation with a request for Special Temporary Authority to operate outside the licensed parameters for C-band satellite uplink license E050083, licensed to Interstate Communications, Inc. (ICI).

Michael Patton & Associates is an engineering firm providing services to ICI, which runs a state news network from its headquarters located at 10500 Coursey Blvd, in Baton Rouge, Louisiana. As part of this operation, it operates a C-band satellite uplink facility from that address. Our satellite services provider, SES, is requiring ICI to move transponders (and therefore frequencies) on the satellite we use for our network operations. The uplink frequency SES needs ICI to move to is 6171.5 MHz; the current license authorizes ICI to use frequencies up to 6171.0 MHz.

ICI has engaged the services of the widely-known firm ComSearch to prepare and file an amendment to its license for this uplink; this amendment will be filed forthwith. A copy of the preliminary frequency coordination data showing that the proposed change in transmitted frequency will not cause objectionable interference is also attached to the instant STA request. Please refer to this attachment for all technical data.

SES has made it clear to ICI that their need for ICI to abandon its legacy frequency is both urgent and immediate. Therefore, ICI respectfully requests that Special Temporary Authority to operate its uplink on a carrier frequency of 6171.5 MHz be granted as quickly as possible, and be allowed to continue in force until such time as the FCC can act on ICI's amendment to its license.

Please do not hesitate to contact me if you have any questions about this matter. ICI and I thank you for your immediate attention to this urgent issue.

Regards,

G. Michael Patton, owner



COMSEARCH

A Combscope Company

June 20, 2012

Re: Interstate Communications, Inc.
BATON ROUGE, LA
Call Sign: E050083
C-Band Transmit-Receive Earth Station
Job Number: 120620COMSGE01

***** Revision Notice *****

Dear Frequency Coordinator:

This notice is being provided in accordance with Section 25.203(c) of the FCC Rules and Regulations. We are forwarding the attached revised coordination data on behalf of Interstate Communications, Inc. for modifications to their existing C-Band Transmit-Receive Earth Station in BATON ROUGE, LA.

The coordination notice is being circulated to the owners (or their protection agents) of all existing or proposed terrestrial facilities operating in a shared frequency band within the coordination contours of the proposed station(s). Please update your database with the attached information.

We respectfully request that you examine this data for its interference potential with your system(s). In the event that your analysis identifies potential interference cases that were not previously reported, please contact us by July 25, 2012.

If there are any questions concerning this coordination notice, please contact Comsearch.

Sincerely,

COMSEARCH

Gary K. Edwards
Senior Manager
gedwards@comsearch.com

Enclosure(s)

Date: 06/19/2012
 Job Number: <PCNJobCode>

Administrative Information

Status: ENGINEER PROPOSAL
 Call Sign: <PCNCallSign>
 Licensee Code: NRSTAT
 Licensee Name: Interstate Communications, Inc.

Site Information

BATON ROUGE, LA

Venue Name
 Latitude (NAD 83): 30° 24' 56.0" N
 Longitude (NAD 83): 91° 3' 50.8" W
 Climate Zone: A
 Rain Zone: 1
 Ground Elevation (AMSL): 13.7 m / 45.0 ft

Link Information

Satellite Type: Geostationary
 Mode: TR - Transmit-Receive
 Modulation: Digital
 Satellite Arc: 65° W to 140° West Longitude
 Azimuth Range: 136.0° to 246.2°
 Corresponding Elevation Angles: 44.6° / 26.7°
 Antenna Centerline (AGL): 2.13 m / 7.0 ft

Antenna Information

Receive - FCC32

Transmit - FCC32

Manufacturer		Vertex		Vertex
Model		3.8 Meter		3.8 Meter
Gain / Diameter		42.6 dBi / 3.8 m		46.2 dBi / 3.8 m
3-dB / 15-dB Beamwidth		1.28° / 2.69°		0.85° / 1.79°
Max Available RF Power	(dBW/4 kHz) (dBW/MHz)			-14.0 10.0
Maximum EIRP	(dBW/4 kHz) (dBW/MHz)			32.2 56.2
Interference Objectives:	Long Term	-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz 20%
	Short Term	-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz 0.0025%

Frequency Information

Receive 4.0 GHz

Transmit 6.1 GHz

Emission / Frequency Range (MHz)	400KG7W / 3700.0 - 4200.0	400KG7W / 5925.0 - 5948.0
		400KG7W / 6139.0 - 6200.0
		400KG7W / 6253.0 - 6260.0
		400KG7W / 6313.0 - 6378.0

Max Great Circle Coordination Distance	329.1 km / 204.5 mi	150.6 km / 93.6 mi
Precipitation Scatter Contour Radius	565.6 km / 351.4 mi	100.0 km / 62.1 mi

Coordination Values		BATON ROUGE, LA			
Licensee Name		Interstate Communications, Inc.			
Latitude (NAD 83)		30° 24' 56.0" N			
Longitude (NAD 83)		91° 3' 50.8" W			
Ground Elevation (AMSL)		13.7 m / 45.0 ft			
Antenna Centerline (AGL)		2.13 m / 7.0 ft			
Antenna Model		Vertex 3.8 Meter			
Antenna Mode		Receive 4.0 GHz		Transmit 6.1 GHz	
Interference Objectives:	Long Term	-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz	20%
	Short Term	-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power		-14.0 (dBW/4 kHz)			

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz		Transmit 6.1 GHz		Coordination Distance (km)
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)	
0	0.00	111.13	-10.00	285.28	-10.00	132.84	
5	0.00	115.48	-10.00	285.28	-10.00	132.84	
10	0.00	114.74	-10.00	285.28	-10.00	132.84	
15	0.00	111.51	-10.00	285.28	-10.00	132.84	
20	0.00	108.18	-10.00	285.28	-10.00	132.84	
25	0.00	104.78	-10.00	285.28	-10.00	132.84	
30	0.00	101.31	-10.00	285.28	-10.00	132.84	
35	0.00	97.80	-10.00	285.28	-10.00	132.84	
40	0.00	94.26	-10.00	285.28	-10.00	132.84	
45	0.00	90.70	-10.00	285.28	-10.00	132.84	
50	0.00	87.15	-10.00	285.28	-10.00	132.84	
55	0.00	83.60	-10.00	285.28	-10.00	132.84	
60	0.00	80.07	-10.00	285.28	-10.00	132.84	
65	0.00	76.59	-10.00	285.28	-10.00	132.84	
70	0.00	73.16	-10.00	285.28	-10.00	132.84	
75	0.00	69.80	-10.00	285.28	-10.00	132.84	
80	0.00	66.53	-10.00	285.28	-10.00	132.84	
85	0.00	63.37	-10.00	285.28	-10.00	132.84	
90	0.00	60.35	-10.00	285.28	-10.00	132.84	
95	0.00	57.49	-10.00	285.28	-10.00	132.84	
100	0.00	54.82	-10.00	285.28	-10.00	132.84	
105	0.00	52.38	-10.00	285.28	-10.00	132.84	
110	0.00	50.20	-10.00	285.28	-10.00	132.84	
115	0.00	48.33	-10.00	285.28	-10.00	132.84	
120	0.00	46.80	-9.76	286.84	-9.76	133.50	
125	0.00	45.65	-9.49	288.57	-9.49	134.23	
130	0.00	44.91	-9.31	289.71	-9.31	133.46	
135	0.00	44.60	-9.23	290.20	-9.23	133.66	
140	0.00	44.74	-9.27	289.99	-9.27	133.57	
145	0.00	45.31	-9.40	289.10	-9.40	133.20	
150	0.00	46.30	-9.64	287.59	-9.64	133.82	
155	0.00	47.68	-9.96	285.54	-9.96	132.96	
160	0.00	49.42	-10.00	285.28	-10.00	132.84	
165	0.00	51.45	-10.00	285.28	-10.00	132.84	
170	0.00	53.14	-10.00	285.28	-10.00	132.84	
175	0.00	54.19	-10.00	285.28	-10.00	132.84	
180	0.00	54.55	-10.00	285.28	-10.00	132.84	
185	0.00	54.20	-10.00	285.28	-10.00	132.84	

Coordination Values		BATON ROUGE, LA			
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Max Available RF Power	-14.0 (dBW/4 kHz)				

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz		Transmit 6.1 GHz		Coordination Distance (km)
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)	
190	0.00	53.14	-10.00	285.28	-10.00	132.84	
195	0.00	51.45	-10.00	285.28	-10.00	132.84	
200	0.00	49.22	-10.00	285.28	-10.00	132.84	
205	0.00	46.54	-9.70	287.22	-9.70	133.66	
210	0.00	43.50	-8.96	291.96	-8.96	134.41	
215	0.00	40.17	-8.10	297.66	-8.10	136.84	
220	0.00	36.75	-7.13	304.19	-7.13	139.67	
225	0.00	33.63	-6.17	310.82	-6.17	142.59	
230	0.00	30.95	-5.27	317.78	-5.27	145.43	
235	0.00	28.83	-4.50	323.27	-4.50	147.94	
240	0.00	27.40	-3.94	327.25	-3.94	149.78	
245	0.00	26.77	-3.69	329.08	-3.69	150.63	
250	0.00	26.99	-3.78	328.42	-3.78	150.33	
255	0.00	28.05	-4.20	325.40	-4.20	148.92	
260	0.00	29.86	-4.88	320.55	-4.88	146.69	
265	0.00	32.29	-5.73	314.54	-5.73	143.97	
270	0.00	35.21	-6.67	307.37	-6.67	141.07	
275	0.00	38.51	-7.64	300.74	-7.64	138.17	
280	0.00	42.09	-8.61	294.31	-8.61	135.40	
285	0.00	45.90	-9.55	288.19	-9.55	134.07	
290	0.00	49.87	-10.00	285.28	-10.00	132.84	
295	0.00	53.97	-10.00	285.28	-10.00	132.84	
300	0.00	58.17	-10.00	285.28	-10.00	132.84	
305	0.00	62.45	-10.00	285.28	-10.00	132.84	
310	0.00	66.78	-10.00	285.28	-10.00	132.84	
315	0.00	71.16	-10.00	285.28	-10.00	132.84	
320	0.00	75.58	-10.00	285.28	-10.00	132.84	
325	0.00	80.01	-10.00	285.28	-10.00	132.84	
330	0.00	84.47	-10.00	285.28	-10.00	132.84	
335	0.00	88.93	-10.00	285.28	-10.00	132.84	
340	0.00	93.40	-10.00	285.28	-10.00	132.84	
345	0.00	97.86	-10.00	285.28	-10.00	132.84	
350	0.00	102.30	-10.00	285.28	-10.00	132.84	
355	0.00	106.73	-10.00	285.28	-10.00	132.84	