



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	
			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			
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	
			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