

E050281

SES-STA-20100723-00951

IB2010002337

MTN License Corp.

Approved by OMB
3060-0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
STA Request for Mobile, AL ESV Earth Station

1. Applicant

Name:	MTN License Corp.	Phone Number:	206-838-7700
DBA Name:		Fax Number:	206-838-7708
Street:	719 2nd Avenue Suite 820	E-Mail:	ithompson@mtnsat.com
City:	Seattle	State:	WA
Country:	USA	Zipcode:	98104 -
Attention:	Mr Ian Thompson		

With Conditions



File # SES-STA-20100723-00951

Call Sign E050281 Grant Date 8/2/2010
(or other identifier)

Term Dates
From 7/30/2010 To: 10/1/2010

Approved: Paul E. Blaes
Branch Chief, Satellite Analysis Branch

Attachment

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Conditions:

1. All operations shall be on an unprotected and non-harmful interference basis, i.e., MTN License Corp. shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference.
2. Operating frequency of this STA for ESV use is limited to the band from 3700-4200 MHz (Space-to-Earth) and 5925-6425 MHz (Earth-to-Space). No other frequency is authorized.

With Conditions



File # SES-STA-20100723-00951

Call Sign E050281 Grant Date 8/2/2010
(or other identifier)

Term Dates
From 7/30/2010 To: 10/4/2010

Approved: *Mark E. Blak*
Chief, Satellite Analysis Branch

2. Contact

Name:	Stephen D. Baruch	Phone Number:	202-416-6782
Company:	Lerman Senter PLLC	Fax Number:	202-293-7783
Street:	2000 K Street, NW Suite 600	E-Mail:	sbaruch@lermansenter.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20006 -
Attention:		Relationship:	Legal Counsel

(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?

If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).

Governmental Entity Noncommercial educational licensee

Other (please explain):

4b. Fee Classification CGX - Fixed Satellite Transmit/Receive Earth Station

5. Type Request

Use Prior to Grant

Change Station Location

Other

6. Requested Use Prior Date

07/30/2010

7. CityMobile

8. Latitude

(dd mm ss.s h) 30 40 37.9 N

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Exhibit A

MTN License Corp.
Application for STA

July 2010

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Description of Request for Special Temporary Authority

MTN License Corp. (“MTN”) requests special temporary authority to operate a remote earth station of the type licensed under its C-band ESV authorization (Call Sign E050281) on a temporary basis from a fixed location in Mobile, Alabama. Specifically, MTN seeks authority to operate, for a period not to exceed 60 days, an ESV remote of the type authorized to MTN under Call Sign E050281 at the port facility in Mobile Bay (a body of water connected to the Gulf of Mexico) where work is being completed on the construction of a new oil drilling platform that is outfitted with MTN’s ESV capability. Operation under the STA is required to enable the communication system on the oil drilling platform to be thoroughly tested and for its antenna performance to be validated. To keep completion of the platform on schedule, operations under the STA need to commence on July 30, 2010, and continue for no more than 60 days.

Transmissions from the antenna will use the following transmit frequencies – all of which are authorized for use by MTN ESV remote terminals: 5969.2800 MHz, 5972.7200 MHz, 5896.2400 MHz, 5991.8300 MHz, and 5995.0150 MHz. MTN has commissioned a temporary coordination report that shows that operation of the proposed Mobile, AL terminal on these frequencies for 90 days commencing July 26, 2010 will not interfere with terrestrial operations and details the proposed temporary operations. See Attachment hereto.

Receive frequencies are 3744.2800 MHz, 3747.7200 MHz, 3761.2400 MHz, 3766.8300 MHz, and 3770.0150 MHz, and will utilize the IS-903 satellite at 34.5° W.L. (which is an authorized point of communication for the ESV remotes on MTN’s C-band ESV license under Call Sign E050281).

All technical specifications of the 2.4m antenna – Sea Tel Model No. 9797-11 – are as currently authorized to MTN in its license for Call Sign E050281, except for the fact that the antennas will be utilized from a fixed point in Mobile Bay. Operations from the site will be relatively limited, as only those transmissions and receptions that are needed to confirm operational status of the oil platform’s communication system will be made. MTN incorporates the technical specifications for the antenna as provided in File No. SES-MOD-20060828-01518 (the application proceeding underlying Call Sign E050281). In this regard, the STA request MTN submits here is similar to the STA MTN was granted earlier this year to perform tests on ESV remotes as they are fabricated at the Petaluma, CA facility. See File No. SES-STA-20091119-01480.

Grant of the instant request will serve the public interest by allowing the operational testing of a communications system that will be an integral part of operations

Exhibit A

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on the new oil drilling platform for years to come. Recent events on the Deep Horizons platform in the Gulf of Mexico highlight the criticality of reliable communications systems on off-shore oil drilling platforms to the public and national interests. The proposed testing will help ensure that the key capability is in place on the new platform, and also will help ensure that the specific requirements of ESV operation specified in Section 25.221 of the Commission's rules will be diligently adhered to by MTN ESVs. This promotes the efficiency of use of the shared C-band frequencies by satellite and terrestrial systems, and will help protect C-band satellites operating from orbital locations adjacent to those MTN uses for its ESV services. MTN recognizes that any operations under the requested STA are on a strictly non-harmful interference/non-protected basis.

In summary, and on the basis of the information provided above, MTN respectfully requests, for a period of 60 days commencing on July 30, 2010, special temporary authority to operate one of its ESV remote earth stations licensed under Call Sign E050281 at a fixed location in Mobile Bay in Mobile, Alabama.



COMSEARCH

A ComScope Company

July 23, 2010

Re: MTN License Corp.
MOBILE, AL
Temporary Transmit-Only Earth Station
Operation Dates: 07/26/2010 - 10/26/2010
Job Number: 100723COMSGE01

Dear Frequency Coordinator:

On behalf of MTN License Corp., we are forwarding the attached coordination data for a Temporary Transmit-Only Earth Station to be located at the site referenced above.

This earth station will transmit only on the satellite(s) and frequency or frequencies as described in the attached data. Please do not report cases involving 4 GHz facilities or problems involving non-active paths or frequencies outside the specified range.

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

Sincerely,

COMSEARCH

Gary K. Edwards
Senior Manager

Enclosure(s)

Date: 07/23/2010
Job Number: <PCNJJobCode>

Administrative Information

Status TEMPORARY (Operation from 07/26/2010 to 10/26/2010)
Call Sign <PCNCallSign>
License Code MRNING
License Name MTN License Corp.

Site Information

Venue Name **MOBILE, AL**
Latitude (NAD 83) 30° 40' 37.9" N
Longitude (NAD 83) 88° 1' 55.7" W
Climate Zone B
Rain Zone 1
Ground Elevation (AMSL) 0.0 m / 0.0 ft

Link Information

Satellite Type Geostationary
Mode TO - Transmit-Only
Modulation Digital
Satellite Arc 34.5° W to 34.5° West Longitude
Azimuth Range 110.7° to 110.7°
Corresponding Elevation Angles 22.7° / 22.7°
Antenna Centerline (AGL) 29.87 m / 98.0 ft

Antenna Information

Manufacturer **Transmit - FCC32**
Model Sea Tel
Gain / Diameter 9797-11
3-dB / 15-dB Beamwidth 42.1 dBi / 2.4 m
0.66° / 1.40°

Max Available RF Power (dBW/4 KHz) -10.6
(dBW/MHz) 13.4

Maximum EIRP (dBW/4 KHz) 31.5
(dBW/MHz) 55.5

Interference Objectives: Long Term -154.0 dBW/4 KHz 20%
Short Term -131.0 dBW/4 KHz 0.0025%

Frequency Information

Emission / Frequency Range (MHz) **Transmit 6.1 GHz**
102KGD - 205KGD / 5969.0 - 5995.0

Max Great Circle Coordination Distance 201.8 km / 125.4 mi
Precipitation Scatter Contour Radius 100.0 km / 62.1 mi

Coordination Values**MOBILE, AL**

Licensee Name MTN License Corp.
 Latitude (NAD 83) 30° 40' 37.9" N
 Longitude (NAD 83) 88° 1' 55.7" W
 Ground Elevation (AMSL) 0.0 m / 0.0 ft
 Antenna Centerline (AGL) 29.87 m / 98.0 ft
 Antenna Model Sea Tel 2.4 Meter
 Antenna Mode Transmit 6.1 GHz

Interference Objectives: Long Term -154.0 dBW/4 KHz 20%
 Short Term -131.0 dBW/4 KHz 0.0025%
 Max Available RF Power -10.6 (dBW/4 KHz)

Azimuth (°)	Transmit 6.1 GHz		Antenna Discrimination (°)	Transmit 6.1 GHz	
	Horizon Elevation (°)	Horizon Gain (dbi)		Horizon Gain (dbi)	Coordination Distance (km)
0	0.00	-10.00	108.99	-10.00	160.18
5	0.00	-10.00	104.42	-10.00	160.18
10	0.00	-10.00	99.83	-10.00	160.18
15	0.00	-10.00	95.22	-10.00	160.18
20	0.00	-10.00	90.61	-10.00	160.18
25	0.00	-10.00	86.00	-10.00	160.18
30	0.00	-10.00	81.39	-10.00	160.18
35	0.00	-10.00	76.80	-10.00	160.18
40	0.00	-10.00	72.22	-10.00	160.18
45	0.00	-10.00	67.66	-10.00	160.18
50	0.00	-10.00	63.13	-10.00	160.18
55	0.00	-10.00	58.65	-10.00	160.18
60	0.00	-10.00	54.22	-10.00	160.18
65	0.00	-10.00	49.86	-10.00	160.18
70	0.00	-9.47	45.60	-8.44	162.54
75	0.00	-7.35	41.46	-6.21	167.32
80	0.00	-5.05	37.50	-3.93	172.56
85	0.00	-2.94	33.76	-2.22	178.23
90	0.00	-2.10	30.34	-1.92	184.21
95	0.00	-2.72	27.36	-2.10	190.20
100	0.00	-3.65	24.98	-2.72	195.65
105	0.00	-4.75	23.38	-3.65	200.07
110	0.00	-5.90	22.73	-4.75	201.82
115	0.00	-7.05	23.11	-5.90	200.79
120	0.00	-8.16	24.47	-7.05	197.28
125	0.00	-9.21	26.67	-8.16	191.73
130	0.00	-10.00	29.50	-9.21	185.82
135	0.00	-10.00	32.82	-10.00	179.80
140	0.00	-10.00	36.48	-10.00	174.03
145	0.00	-10.00	40.39	-10.00	168.67
150	0.00	-10.00	44.49	-10.00	163.77
155	0.00	-10.00	48.72	-10.00	160.18
160	0.00	-10.00	53.06	-10.00	160.18
165	0.00	-10.00	57.47	-10.00	160.18
170	0.00	-10.00	61.94	-10.00	160.18
175	0.00	-10.00	66.46	-10.00	160.18
180	0.00	-10.00	71.01	-10.00	160.18
185	0.00	-10.00	75.58	-10.00	160.18

Coordination Values

MOBILE, AL

Licensee Name MTN License Corp.
 Latitude (NAD 83) 30° 40' 37.9" N
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 Short Term -131.0 dBW/4 KHz 0.0025%
 Max Available RF Power -10.6 (dBW/4 KHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dbi)	Coordination Distance (km)
190	0.00	80.17	-10.00	160.18
195	0.00	84.78	-10.00	160.18
200	0.00	89.39	-10.00	160.18
205	0.00	94.00	-10.00	160.18
210	0.00	98.61	-10.00	160.18
215	0.00	103.20	-10.00	160.18
220	0.00	107.78	-10.00	160.18
225	0.00	112.34	-10.00	160.18
230	0.00	116.87	-10.00	160.18
235	0.00	121.35	-10.00	160.18
240	0.00	125.78	-10.00	160.18
245	0.00	130.14	-10.00	160.18
250	0.00	134.40	-10.00	160.18
255	0.00	138.54	-10.00	160.18
260	0.00	142.50	-10.00	160.18
265	0.00	146.24	-10.00	160.18
270	0.00	149.66	-10.00	160.18
275	0.00	152.64	-10.00	160.18
280	0.00	155.02	-10.00	160.18
285	0.00	156.62	-10.00	160.18
290	0.00	157.27	-10.00	160.18
295	0.00	156.89	-10.00	160.18
300	0.00	155.53	-10.00	160.18
305	0.00	153.33	-10.00	160.18
310	0.00	150.50	-10.00	160.18
315	0.00	147.18	-10.00	160.18
320	0.00	143.52	-10.00	160.18
325	0.00	139.61	-10.00	160.18
330	0.00	135.51	-10.00	160.18
335	0.00	131.28	-10.00	160.18
340	0.00	126.94	-10.00	160.18
345	0.00	122.53	-10.00	160.18
350	0.00	118.06	-10.00	160.18
355	0.00	113.54	-10.00	160.18