

SES-STA-20091119-01480  
MTN License Corp.

IB200900754

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 for ESV Remotes in Petaluma

1. Applicant

<b>Name:</b>	MTN License Corp.	<b>Phone Number:</b>	206-838-7700
<b>DBA Name:</b>		<b>Fax Number:</b>	206-838-7708
<b>Street:</b>	1200 Westlake Avenue Suite 600	<b>E-Mail:</b>	ithompson@mtnsat.com
<b>City:</b>	Seattle	<b>State:</b>	WA
<b>Country:</b>	USA	<b>Zipcode:</b>	98109 -
<b>Attention:</b>	Mr Ian Thompson		

*With Condition*



File # SES-STA-20091119-01480

Call Sign E050281 Grant Date 4/26/2010  
(or other identifier)

Term Dates  
From 4/26/2010 To: 6/25/2010

Approved: Janette D. Spriggs

Attachment

SES-STA-20091119-01480  
E050281

Condition:

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.

*With Condition*

File # SES-STA-20091119-01480

Call Sign E050281 Grant Date 4/30/2010  
(or other identifier)

Term Dates  
From 4/30/2010 To: 6/25/2010

Approved: *Janette R. Spruce*



<b>2. Contact</b>	
<b>Name:</b> Stephen Baruch/Philip Bonomo	<b>Phone Number:</b> 202-429-8970
<b>Company:</b> Lerman Senter PLLC	<b>Fax Number:</b> 202-293-7783
<b>Street:</b> 2000 K Street, NW	<b>E-Mail:</b> sbaruch@lermansenter.com/pbonomo@lermansenter.com
Suite 600	
<b>City:</b> Washington	<b>State:</b> DC
<b>Country:</b> USA	<b>Zipcode:</b> -
<b>Attention:</b>	<b>Relationship:</b> 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?	
<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 Noncommercial educational licensee	
Other (please explain):	
4b. Fee Classification CGX – Fixed Satellite Transmit/Receive Earth Station	
5. Type Request	
<input type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input type="radio"/> Other	
6. Requested Use Prior Date 11/25/2009	

7. CityPetaluma	8. Latitude (dd mm ss.s h) 38 16 12.0 N
9. State CA	10. Longitude (dd mm ss.s h) 122 39 36.0 W
11. Please supply any need attachments. Attachment 1: Attachment A                      Attachment 2: Coordination Report                      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.) <div style="border: 1px solid black; padding: 5px; margin: 5px 0;">See Attachment A.</div>	
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" for these purposes.                      Yes <input checked="" type="radio"/> No	
14. Name of Person Signing Robert Hanson	15. Title of Person Signing Vice President
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).	

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**COMSEARCH**<sup>®</sup>

A CommScope Company

November 19, 2009

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\*\*\* CLIENT COPY \*\*\*

\*\*\* PLEASE MAIL \*\*\*

\*\*\* TO CUSTOMER \*\*\*

Re: MTN LICENSE CORP.  
PETALUMA, CA (2.4 Meter)  
Temporary Transmit-Receive Earth Station  
Operation Dates: 11/25/2009 - 02/24/2010  
Job Number: 091119COMSGE01

Dear Frequency Coordinator:

On behalf of MTN LICENSE CORP., we are forwarding the attached coordination data for a Temporary Transmit-Receive 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.

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

Sincerely,

COMSEARCH

Gary K. Edwards  
Senior Manager

Enclosure(s)

Date: 11/19/2009  
 Job Number: <PCNJJobCode>

**Administrative Information**

Status: TEMPORARY (Operation from 11/25/2009 to 02/24/2010)  
 Call Sign: <PCNCallSign>  
 Licensee Code: SHORT  
 Licensee Name: MTN LICENSE CORP.

**Site Information**

Venue Name: **PETALUMA, CA**  
 Latitude (NAD 83): 38° 16' 12.0" N  
 Longitude (NAD 83): 122° 39' 36.0" W  
 Climate Zone: A  
 Rain Zone: 3  
 Ground Elevation (AMSL): 10.06 m / 33.0 ft

**Link Information**

Satellite Type: Geostationary  
 Mode: TR - Transmit-Receive  
 Modulation: Digital  
 Satellite Arc: 116° W to 177° West Longitude  
 Azimuth Range: 169.3° to 246.0°  
 Corresponding Elevation Angles: 45.1° / 19.0°  
 Antenna Centerline (AGL): 2.74 m / 9.0 ft

**Antenna Information**

Manufacturer: Sea Tel Inc.  
 Model: 9797-11  
 Gain / Diameter: 38.5 dBi / 2.4 m  
 3-dB / 15-dB Beamwidth: 0.50° / 1.00°

**Receive - FCC32**

(dBW/4 KHz):  
 (dBW/MHz):  
 Maximum EIRP: (dBW/4 KHz)  
 (dBW/MHz)

**Transmit - FCC32**

Sea Tel Inc  
 9797-11  
 41.7 dBi / 2.4 m  
 0.75° / 1.50°

Max Available RF Power	(dBW/4 KHz)	-10.2
	(dBW/MHz)	13.8
Interference Objectives:		
Long Term	-156.0 dBW/MHz	20%
Short Term	-146.0 dBW/MHz	0.019%
	-154.0 dBW/4 KHz	20%
	-131.0 dBW/4 KHz	0.0025%

**Frequency Information**

Emission / Frequency Range (MHz)	<b>Receive 4.0 GHz</b>	<b>Transmit 6.1 GHz</b>
	1M40G7W / 3700.0 - 4200.0	1M40G7W / 5925.0 - 6391.0
		1M40G7W / 6414.0 - 6425.0

Max Great Circle Coordination Distance  
 Precipitation Scatter Contour Radius

285.3 km / 177.2 mi  
 370.1 km / 230.0 mi  
 142.5 km / 88.5 mi  
 100.0 km / 62.1 mi

Coordination Values		POTALUMA, CA	
Licensee Name	MTN LICENSE CORP.		
Latitude (NAD 83)	38° 16' 12.0" N		
Longitude (NAD 83)	122° 39' 36.0" W		
Ground Elevation (AMSL)	10.06 m / 33.0 ft		
Antenna Centerline (AGL)	2.74 m / 9.0 ft		
Antenna Model	Sea Tel Inc. 2.4 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%
Interference Objectives: Short Term	-146.0 dBW/MHz	0.01%	-131.0 dBW/4 KHz 0.0025%
Max Available RF Power		-10.2 (dBW/4 KHz)	

Azimuth (°)	Receive 4.0 GHz		Transmit 6.1 GHz		Coordination Distance (km)	
	Horizon Elevation (°)	Antenna Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)		Horizon Gain (dBi)
0	1.57	112.80	-10.00	206.15	-10.00	100.00
5	1.24	117.46	-10.00	212.88	-10.00	100.00
10	1.17	122.13	-10.00	215.04	-10.00	100.00
15	1.01	126.73	-10.00	220.09	-10.00	100.00
20	1.23	128.31	-10.00	213.25	-10.00	100.00
25	1.50	126.02	-10.00	205.60	-10.00	100.00
30	2.10	123.68	-10.00	192.30	-10.00	100.00
35	2.36	120.87	-10.00	186.25	-10.00	100.00
40	2.98	118.03	-10.00	171.93	-10.00	100.00
45	3.02	114.74	-10.00	170.97	-10.00	100.00
50	3.13	111.35	-10.00	166.76	-10.00	100.00
55	2.85	107.75	-10.00	175.05	-10.00	100.00
60	2.57	104.11	-10.00	181.37	-10.00	100.00
65	2.15	100.43	-10.00	191.06	-10.00	100.00
70	2.11	96.81	-10.00	191.94	-10.00	100.00
75	2.01	93.16	-10.00	194.29	-10.00	100.00
80	1.64	89.51	-10.00	204.16	-10.00	100.00
85	1.25	85.91	-10.00	212.61	-10.00	100.00
90	0.85	82.38	-10.00	228.35	-10.00	102.76
95	0.76	78.86	-10.00	233.52	-10.00	106.81
100	0.33	75.49	-10.00	268.91	-10.00	132.26
105	0.21	72.13	-10.00	283.47	-10.00	141.17
110	0.00	68.90	-10.00	285.28	-10.00	142.50
115	0.00	65.70	-10.00	285.28	-10.00	142.50
120	0.00	62.62	-10.00	285.28	-10.00	142.50
125	0.00	59.68	-10.00	285.28	-10.00	142.50
130	0.00	56.92	-10.00	285.28	-10.00	142.50
135	0.00	54.36	-10.00	285.28	-10.00	142.50
140	0.00	52.03	-10.00	285.28	-10.00	142.50
145	0.84	49.28	-10.00	229.28	-10.00	103.50
150	0.77	47.56	-9.93	233.19	-9.93	106.45
155	0.67	46.24	-9.62	241.19	-9.62	112.07
160	0.95	44.94	-9.32	226.40	-9.32	100.16
165	0.80	44.48	-9.20	235.45	-9.20	107.08
170	1.01	44.11	-9.11	224.57	-9.11	100.00
175	1.22	44.19	-9.13	217.78	-9.13	100.00
180	1.39	44.28	-9.15	212.73	-9.15	100.00
185	1.29	44.12	-9.12	215.89	-9.12	100.00



Coordination Values		PETALUMA, CA	
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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		-10.2 (dBW/4 KHz)	

Azimuth (°)	Receive 4.0 GHz		Transmit 6.1 GHz		Coordination Distance (km)	
	Horizon Elevation (°)	Antenna Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)		Horizon Gain (dBi)
190	1.10	43.54	-8.97	222.23	-8.97	100.00
195	1.06	42.34	-8.67	225.31	-8.67	100.00
200	1.15	40.56	-8.20	224.67	-8.20	100.00
205	1.35	38.31	-7.58	221.87	-7.58	100.00
210	1.31	35.92	-6.88	226.84	-6.88	100.00
215	1.20	33.27	-6.05	234.94	-6.05	101.92
220	1.47	30.10	-4.97	232.34	-4.97	100.00
225	1.37	27.00	-3.78	242.48	-3.78	104.10
230	1.14	23.84	-2.43	259.78	-2.43	114.29
235	1.37	20.72	-0.91	261.21	-0.91	112.75
240	1.21	18.77	0.16	274.82	0.16	120.19
245	1.34	17.71	0.79	274.56	0.79	118.87
250	1.23	18.21	0.49	276.51	0.49	120.73
255	1.06	20.00	-0.53	275.67	-0.53	121.98
260	1.00	22.65	-1.88	268.84	-1.88	119.65
265	0.67	26.15	-3.44	279.84	-3.44	129.63
270	1.09	29.61	-4.78	246.29	-4.78	108.49
275	0.81	33.79	-6.22	252.76	-6.22	115.30
280	0.72	38.05	-7.51	250.42	-7.51	115.56
285	0.49	42.50	-8.71	258.53	-8.71	123.15
290	0.72	46.89	-9.78	237.47	-9.78	109.50
295	0.77	51.43	-10.00	233.35	-10.00	106.68
300	0.58	56.08	-10.00	244.81	-10.00	115.31
305	0.48	60.74	-10.00	252.36	-10.00	120.70
310	1.62	65.24	-10.00	204.78	-10.00	100.00
315	1.45	69.99	-10.00	207.13	-10.00	100.00
320	1.24	74.75	-10.00	213.07	-10.00	100.00
325	0.82	79.52	-10.00	230.05	-10.00	104.10
330	0.75	84.27	-10.00	234.39	-10.00	107.48
335	0.68	89.02	-10.00	238.49	-10.00	110.60
340	0.48	93.76	-10.00	251.53	-10.00	120.11
345	0.86	98.51	-10.00	228.02	-10.00	102.50
350	1.20	103.28	-10.00	214.24	-10.00	100.00
355	1.35	108.04	-10.00	209.86	-10.00	100.00

Exhibit A

MTN License Corp.  
Application for STA  
November 2009  
Page 1 of 2

**Description of Request for Special Temporary Authority**

MTN License Corp. (“MTN”) requests special temporary authority to operate remote earth stations licensed under its C-band ESV authorization (Call Sign E050281) at a single fixed location in Petaluma, California. Specifically, MTN seeks authority to deploy ESV remotes of the type authorized to MTN under Call Sign E050281 on land, at the assembly, integration and testing (“AIT”) facility MTN now uses for the subject antenna, to validate antenna performance of each unit as assembly is completed. Transmissions from the antenna will use the 5925-6391 and 6414-6425 MHz bands, and receive operations will use the 3700-4200 MHz band. MTN seeks authority for a period of up to 60 days, effective November 25, 2009.

All technical specifications of the 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 on land. Operations from the site will be relatively limited, as only those transmissions and receptions that are needed to confirm operational status of each unit 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).

The request for special temporary authority is preparatory to an application that MTN is currently preparing to modify its C-band ESV authorization under Call Sign E050281 to add operations using the ESV remote earth stations at the Petaluma location on a permanent basis. This modification application will be filed promptly upon completion of the required frequency coordination, which should occur in early December.

In support of this STA request, MTN provides the attached interim frequency coordination report, which concludes that MTN operations in the Petaluma area using the remotes units will not interfere with terrestrial operations and details the proposed temporary operations. The remote units are authorized under Call Sign E050281 for ALSAT operations, and will communicate using conventional C-band frequencies with NSS-9 at 177° W.L., Horizons 1 at 127° W.L., and SatMex 5 at 116.8° W.L., all of which are on the Permitted List.

Grant of the instant request will serve the public interest by allowing MTN to begin immediate testing of its C-band ESV remotes at its new AIT facility in Petaluma. Use of this AIT facility will expedite the final assembly, validation and live performance testing of these remote units, thereby allowing MTN to offer its rapidly expanding ESV maritime telecommunication services to customers on a more timely, cost-effective basis.

Exhibit A

MTN License Corp.  
Application for STA  
November 2009  
Page 2 of 2

Testing at the new AIT facility will also 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.

In summary, and on the basis of the information provided above, MTN respectfully requests, for a period of 60 days commencing on November 25, 2009 and in advance of a forthcoming request for permanent authority, special temporary authority to operate the ESV remote earth stations licensed under Call Sign E050281 at a fixed location in Petaluma.