

Multi-Link Holland

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:  
Formula 1 Austin Multi-Link Holland 16th-21th October 2018 rev.B

1. Applicant

<b>Name:</b>	Multi-Link Holland	<b>Phone Number:</b>	+31356035382
<b>DBA Name:</b>		<b>Fax Number:</b>	+31356035142
<b>Street:</b>	Nijverheidsstraat 8C	<b>E-Mail:</b>	planning@multi-link.tv
<b>City:</b>	Nijkerk	<b>State:</b>	
<b>Country:</b>		<b>Zipcode:</b>	-
<b>Attention:</b>	Mr Marco J van Uffelen		

File # SES-STA-20181003-02906

Call Sign N/A Grant Date 10/14/2018  
(or other identifier)

Term Dates  
From 10/16/2018 To: 10/22/2018

Approved: [Signature]



*All operations are on a  
non-interactive basis.  
JEB*

<b>2. Contact</b>	
<b>Name:</b>	Multi-Link Holland
<b>Company:</b>	Multi-Link Holland
<b>Street:</b>	Nijverheidsstraat 8C
<b>City:</b>	Nijkerk
<b>Country:</b>	Netherlands
<b>Attention:</b>	
<b>Phone Number:</b>	+31356035382
<b>Fax Number:</b>	+31356035142
<b>E-Mail:</b>	planning@multi-link.tv
<b>State:</b>	
<b>Zipcode:</b>	3861 -RJ
<b>Relationship:</b>	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	
10/16/2018	
7. City Del Valle, Austin, TX	
8. Latitude	
(dd mm ss.s h) 30 8 5.3 N	

9. State TX	10. Longitude (dd mm ss.s h) 97 38 28.7 W
11. Please supply any need attachments. Attachment 1: 312 B STA MultilinkH Attachment 2: M1827112 datasheet V 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.) STA request for Temp Earthstation at the Circuit of the Americas for the upcoming Formula One race 21st October 2018	
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 <input type="radio"/>	
14. Name of Person Signing Marco van Uffelen	15. Title of Person Signing Engineer
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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**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.**

Micronet Communications, Inc.  
 720 F Avenue, Suite 100  
 Plano, Texas 75074  
 972-422-7200

File: M1827112

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TECHNICAL CHARACTERISTICS OF TRANSMIT ONLY EARTH STATION

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Company:	Multi-Link Holland		
Site Name, State:	Circuit of Americas, TX		
Call Sign:			
Latitude	(NAD83)	30 8	5.3 N
Longitude	(NAD83)	97 38	28.7 W
Elevation AMSL	(ft/m)	492.00	149.96
Receive Frequency Range	(MHz)		
Transmit Frequency Range	(MHz)	5925-6285/6345-6425	
Range of Satellite Orbital Long.	(deg W)	46.50	48.50
Range of Azimuths from North	(deg)	112.02	113.47
Antenna Centerline	(ft/m)	12.00	3.66
Antenna Elevation Angles	(deg)	25.00	26.71

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Equipment Parameters	Transmit	
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Antenna Gain, Main Beam	(dbI)	46.30
15 DB Half Beamwidth	(deg)	1.50
Antennas	Transmit: PRODELIN 1385 (3.8M)	
Max Transmitter Power	(dbW/4KHz)	-13.30
Max EIRP Main Beam	(dbW/4KHz)	33.00
Modulation / Emission Designator	DIGITAL 9M00D7W	

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Coordination Parameters	Transmit	
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Max Greater Circle Distances	(km)	129.40
Max Rain Scatter Distances	(km)	100.00
Max Interference Power Long Term	(dbW)	-154.80
Max Interference Power Short Term	(dbW)	-130.80
Rain Zone / Radio Zone		2 A

MICRONET COMMUNICATIONS, INC.  
09-28-2018

File: M1827112

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Horizon Angle	Horizon Gain	Final Contour	-	6.17 GHz TRANSMIT ONLY
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Company: Multi-Link Holland  
 Site Name, State: Circuit of Americas, TX  
 Call Sign:

Latitude (NAD83) 30 8 5.3 N Longitude (NAD83) 97 38 28.7 W

North Azimuth (deg)	Horizon Angle (deg)	Horizon Gain (db)	Final Contour (km)	North Azimuth (deg)	Horizon Angle (deg)	Horizon Gain (db)	Final Contour (km)
0	0.39	-14.63	113.0	180	1.37	-13.00	100.0
5	0.48	-10.96	109.7	185	1.23	-13.00	100.0
10	0.65	-10.00	103.4	190	1.08	-13.00	100.0
15	0.84	-10.00	100.0	195	1.01	-11.72	100.0
20	0.99	-10.00	100.0	200	1.04	-10.00	100.0
25	1.16	-10.00	100.0	205	1.09	-10.00	100.0
30	1.34	-11.63	100.0	210	1.11	-10.00	100.0
35	1.49	-13.00	100.0	215	0.93	-10.00	100.7
40	1.65	-13.00	100.0	220	0.84	-10.27	106.0
45	1.87	-13.00	100.0	225	0.86	-13.84	107.8
50	2.00	-13.00	100.0	230	0.71	-17.45	115.0
55	2.06	-13.00	100.0	235	0.54	-21.03	124.0
60	2.10	-13.00	100.0	240	0.45	-23.00	129.4
65	2.10	-10.87	100.0	245	0.56	-23.00	125.2
70	2.29	-10.00	100.0	250	0.68	-23.00	118.6
75	2.36	-10.00	100.0	255	0.51	-23.00	124.1
80	2.52	-10.00	100.0	260	0.35	-23.00	129.1
85	2.59	-9.35	100.0	265	0.39	-23.00	124.0
90	2.62	-5.83	100.0	270	0.42	-23.00	119.0
95	2.61	-4.40	100.0	275	0.41	-23.00	117.2
100	2.54	-3.74	100.0	280	0.26	-23.00	120.1
105	2.49	-3.27	100.0	285	0.27	-23.00	117.7
110	2.21	-3.10	100.0	290	0.25	-23.00	117.8
115	1.83	-3.22	100.0	295	0.45	-23.00	110.9
120	1.92	-3.49	100.0	300	0.25	-23.00	117.7
125	1.99	-3.98	100.0	305	0.28	-23.00	116.7
130	2.03	-4.67	100.0	310	0.35	-23.00	114.4
135	2.28	-6.73	100.0	315	0.29	-23.00	116.4
140	2.69	-9.95	100.0	320	0.29	-23.00	116.4
145	2.96	-10.00	100.0	325	0.29	-23.00	116.4
150	2.56	-10.00	100.0	330	0.20	-23.00	129.1
155	1.89	-10.00	100.0	335	0.15	-23.00	129.1
160	1.70	-11.06	100.0	340	0.15	-23.00	129.1
165	1.70	-13.00	100.0	345	0.15	-23.00	129.1
170	2.02	-13.00	100.0	350	0.08	-21.93	129.1
175	1.58	-13.00	100.0	355	0.29	-18.27	116.2