

CONSOLIDATED SPECTRUM SERVICES

231 SAGAMORE ROAD
GILFORD, N.H. 03249
PHONE/FAX: (603) - 293 - 0002
Email: Sales@FCC1.biz

NO RESPONSE REQUIRED - RECEIVE ONLY EARTH STATION

June 13, 2018

PROSPECTIVE LICENSEE - SKYLINE TOWER LLC

A radio frequency interference study has been conducted for the proposed system. Our analysis indicates that this proposal satisfies industry accepted interference criteria. Pursuant to parts 25 & 101 of the FCC Rules and Regulations, the technical parameters of this system are enclosed for your examination and review.

Should your review of this notice reflect a potential conflict, please notify us by e-mail at: sales@FCC1.biz or in writing at your earliest possible convenience. If a response is not received by the date specified above, we will assume that you have no objections to this proposal.

Please send all responses to this coordination to:

CONSOLIDATED SPECTRUM SERVICES
231 SAGAMORE ROAD
GILFORD, NH 03249

Please note that this letter is being sent to all licensees and/or their agents within 150 miles of the proposed system.

If the person listed on the envelope is no longer employed by you, please forward to the person in charge of radio communications.

Respectfully,

Howard Epstein

Howard Epstein,
President

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File: CSS1816314-1

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TECHNICAL CHARACTERISTICS OF RECEIVE ONLY EARTH STATION

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Company:	SKYLINE TOWER LLC.		
Site Name, State:	Healy Heights, OR		
Call Sign:			
Latitude	(NAD83)	45 29	24.4 N
Longitude	(NAD83)	122 41	49.3 W
Elevation AMSL	(ft/m)	1170.93	356.90
Receive Frequency Range	(MHz)	3700-4200	
Transmit Frequency Range	(MHz)		
Range of Satellite Orbital Long.	(deg W)	85.00	125.00
Range of Azimuths from North	(deg)	132.70	183.23
Antenna Centerline	(ft/m)	9.84	3.00
Antenna Elevation Angles	(deg)	25.88	37.60

Equipment Parameters Receive

Antenna Gain, Main Beam	(dbI)	44.30
15 DB Half Beamwidth	(deg)	0.80

Antennas Receive: D H SATELLITE 5 METER

Max Transmitter Power	(dbW/4KHz)	
Max EIRP Main Beam	(dbW/4KHz)	
Modulation / Emission Designator	DIGITAL	36M0G7W

Coordination Parameters Receive

Max Greater Circle Distances	(km)	286.27
Max Rain Scatter Distances	(km)	274.04
Max Interference Power Long Term	(dbW)	-140.60
Max Interference Power Short Term	(dbW)	-118.40
Rain Zone / Radio Zone		3 A

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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	0.00	-16.52	247.3	180	0.00	-7.52	262.0
5	0.00	-15.68	247.3	185	0.00	-7.52	263.0
10	0.00	-14.54	247.3	190	0.00	-7.65	264.7
15	0.00	-12.36	247.3	195	0.00	-7.92	267.1
20	0.00	-10.16	247.3	200	0.00	-8.32	270.1
25	0.00	-7.25	247.3	205	0.00	-8.84	273.9
30	0.00	-6.00	247.3	210	0.00	-9.46	279.3
35	0.00	-6.00	247.3	215	0.00	-10.00	283.8
40	0.00	-8.06	247.3	220	0.00	-10.00	286.3
45	0.00	-10.00	247.3	225	0.00	-10.00	286.2
50	0.17	-10.00	247.3	230	0.00	-10.00	283.5
55	0.00	-10.00	247.3	235	0.05	-10.00	278.9
60	0.00	-10.00	247.3	240	0.01	-10.00	273.3
65	0.00	-10.00	247.3	245	0.00	-10.00	268.0
70	0.00	-10.00	247.3	250	0.14	-10.00	262.4
75	0.00	-10.00	247.3	255	0.00	-10.00	256.9
80	0.00	-10.00	247.3	260	0.00	-10.00	251.6
85	0.00	-10.00	247.3	265	0.00	-10.00	247.3
90	0.00	-10.00	247.3	270	0.00	-10.00	247.3
95	0.00	-9.37	247.3	275	0.00	-8.88	247.3
100	0.00	-8.36	247.3	280	0.00	-6.00	247.3
105	0.00	-7.40	247.3	285	0.00	-6.00	247.3
110	0.00	-6.53	247.3	290	0.00	-6.00	247.3
115	0.00	-5.77	247.3	295	0.00	-8.06	247.3
120	0.00	-5.00	247.3	300	0.00	-10.46	247.3
125	0.00	-4.37	247.3	305	0.00	-12.33	247.3
130	0.00	-4.04	247.3	310	0.00	-14.16	247.3
135	0.00	-4.02	247.3	315	0.00	-15.37	247.3
140	0.00	-4.33	247.6	320	0.05	-16.05	247.3
145	0.00	-4.94	251.1	325	0.00	-16.70	247.3
150	0.00	-5.68	254.3	330	0.00	-17.30	247.3
155	0.00	-6.21	257.1	335	0.00	-17.86	247.3
160	0.00	-6.67	259.4	340	0.00	-18.35	247.3
165	0.00	-7.03	261.0	345	0.00	-18.76	247.3
170	0.00	-7.30	261.7	350	0.00	-18.14	247.3
175	0.00	-7.47	261.7	355	0.00	-17.34	247.3