

# **Tele-Sci Solutions LLC**

**P.O. Box 237**

**Augusta, NJ 07822-0237**

**Phone: 973-862-6675**

**email: telesei@yahoo.com**

**TO: All Coordinators**

**September 3, 2020**

**Re: Multi-Link Holland  
T/O Earth Station  
Jacksonville, FL (1 Daily's Place)**

Dear Frequency Coordinator:

On behalf of Multi-Link Holland we are forwarding the attached frequency coordination request for a temporary transmit-only earth station to be located at 1 Daily's Place at Jacksonville, FL. Please review this data for potential interference in accordance with Part 101 and 25 of the FCC Rules and Regulations .

The operation of the above will be as follows:

<b>Satellite/ Transponder</b>	<b>Arc Position</b>	<b>Frequency (MHZ)</b>	<b>Date of Operation</b>
<b>Partial Arc</b>	<b>47.5 -68 deg</b>	<b>6185; 6265-6325; 6365-6425</b>	<b>09/03/20 – 03/03/21</b>

**The earth station will be located in a loading dock on the west side of a building which is 75 feet in height. Southwestern, western and northwestern headings will be shielded by this building. Northern headings will be shielded by TIAA Stadium which is 164 feet in height. 1 Daily's Place is within 50 feet of the earth station site. The stadium is within 320 feet of the earth station site.**

We would appreciate your reply either by telephone, mail, or email to the Tele-Sci Solutions LLC office. If you should have any questions, please do not hesitate to contact me. This uplink will operate on an occasional basis and will not operate continuously. Thank you for your assistance in this coordination.

Sincerely,

Janine Miliband  
General Manager

SATELLITE EARTH STATION  
FREQUENCY COORDINATION DATA  
09/03/20

COMPANY NAME:	MULTI-LINK HOLLAND
EARTH STATION LOCATION:	JACKSONVILLE, FL
LATITUDE(DMS):	30 19 19.0
LONGITUDE(DMS):	81 38 14.3
SITE GROUND ELEVATION(FT. AMSL):	2.0
ANTENNA CENTER LINE( FT)	10.0
ANTENNA TYPE:	ANDREW
	3.7 METER
ANTENNA DIAMETER(METERS):	3.7
6 GHZ ANTENNA GAIN(DBI):	46.4
15 DB HALF BEAMWIDTH (DEG)	2.00
OPERATING MODE:	T/O
TRANSMIT BAND(MHZ):	6185; 6265-6325; 6365-6425
EMISSION DESIGNATOR	18MOF9Y
MODULATION:	DIGITAL
MAX. AVAILABLE RF POWER(DBW/4KHZ):	-12.53
(DBW/18MHZ) :	24.00
MAX. EIRP (DBW/4KHZ):	33.87
(DBW/18MHZ) :	70.40
MAX. PERMISSIBLE INTERFERENCE POWER	
6 GHZ 20% (DBW/4KHZ)	-154.0
6 GHZ 0.0025% (DBW/4KHZ)	-131.0
SATELLITE ARC (MIN/MAX)	47.5/ 68 DEG
AZIMUTH	126.6/154.3 DEG
ELEVATION	38.8/ 51.6 DEG
RADIO CLIMATE	A
RAIN ZONE	1
MAXIMUM GREAT CIRCLE COORDINATION DISTANCE(KM)	
6 GHZ	129.0
PRECIPITATION SCATTER CONTOUR RADIUS(KM)	
6 GHZ	201.9

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AZIMUTH DEGREES	HORIZON ANGLE DEGREES	DISC ANGLE DEGREES	HORIZON GAIN DBI	4GHZ COORD DISTANCE KM	6 GHZ DISTANCE KM	RAIN4 SCATTER KM	RAIN6 SCATTER KM
5.	.0	127.0	-10.0	.0	120.5	.0	201.9
10.	.0	122.3	-10.0	.0	120.5	.0	201.9
15.	.0	117.6	-10.0	.0	120.5	.0	201.9
20.	.0	112.9	-10.0	.0	120.5	.0	201.9
25.	.0	108.2	-10.0	.0	120.5	.0	201.9
30.	.0	103.6	-10.0	.0	120.5	.0	201.9
35.	.0	98.9	-10.0	.0	120.5	.0	201.9
40.	.0	94.4	-10.0	.0	120.5	.0	201.9
45.	.0	89.8	-10.0	.0	120.5	.0	201.9
50.	.0	85.3	-10.0	.0	120.5	.0	201.9
55.	.0	80.9	-10.0	.0	120.5	.0	201.9
60.	.0	76.5	-10.0	.0	120.5	.0	201.9
65.	.0	72.3	-10.0	.0	120.5	.0	201.9
70.	.0	68.1	-10.0	.0	120.5	.0	201.9
75.	.0	64.0	-10.0	.0	120.5	.0	201.9
80.	.0	60.1	-10.0	.0	120.5	.0	201.9
85.	.0	56.3	-10.0	.0	120.5	.0	201.9
90.	.0	52.8	-10.0	.0	120.5	.0	201.9
95.	.0	49.5	-10.0	.0	120.5	.0	201.9
100.	.0	46.5	-9.7	.0	121.6	.0	201.9
105.	.0	43.9	-9.1	.0	123.8	.0	201.9
110.	.0	41.7	-8.5	.0	125.8	.0	201.9
115.	.0	40.1	-8.1	.0	127.4	.0	201.9
120.	.0	39.0	-7.8	.0	128.5	.0	201.9
125.	.0	38.5	-7.6	.0	129.0	.0	201.9
130.	.0	38.7	-7.7	.0	128.8	.0	201.9
135.	.0	39.5	-7.9	.0	128.0	.0	201.9
140.	.0	40.9	-8.3	.0	126.6	.0	201.9
145.	.0	42.8	-8.8	.0	124.7	.0	201.9
150.	.0	45.3	-9.4	.0	122.6	.0	201.9
155.	.0	48.1	-10.0	.0	120.5	.0	201.9
160.	.0	50.8	-10.0	.0	120.5	.0	201.9
165.	.0	52.6	-10.0	.0	120.5	.0	201.9
170.	.0	54.0	-10.0	.0	120.5	.0	201.9
175.	.0	55.6	-10.0	.0	120.5	.0	201.9
180.	.0	57.7	-10.0	.0	120.5	.0	201.9
185.	.0	60.1	-10.0	.0	120.5	.0	201.9
190.	.0	62.8	-10.0	.0	120.5	.0	201.9
195.	.0	65.7	-10.0	.0	120.5	.0	201.9
200.	.0	68.9	-10.0	.0	120.5	.0	201.9
205.	.0	72.3	-10.0	.0	120.5	.0	201.9
210.	.0	75.9	-10.0	.0	120.5	.0	201.9
215.	.0	79.7	-10.0	.0	120.5	.0	201.9
220.	.0	83.5	-10.0	.0	120.5	.0	201.9

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AZIMUTH DEGREES	HORIZON ANGLE DEGREES	DISC ANGLE DEGREES	HORIZON GAIN DBI	4GHZ COORD DISTANCE KM	6 GHZ DISTANCE KM	RAIN4 SCATTER KM	RAIN6 SCATTER KM
225.	.0	87.5	-10.0	.0	120.5	.0	201.9
230.	.0	91.6	-10.0	.0	120.5	.0	201.9
235.	.0	95.8	-10.0	.0	120.5	.0	201.9
240.	.0	100.0	-10.0	.0	120.5	.0	201.9
245.	.0	104.3	-10.0	.0	120.5	.0	201.9
250.	.0	108.7	-10.0	.0	120.5	.0	201.9
255.	.0	113.1	-10.0	.0	120.5	.0	201.9
260.	.0	117.6	-10.0	.0	120.5	.0	201.9
265.	.0	122.1	-10.0	.0	120.5	.0	201.9
270.	.0	126.7	-10.0	.0	120.5	.0	201.9
275.	.0	131.3	-10.0	.0	120.5	.0	201.9
280.	.0	135.9	-10.0	.0	120.5	.0	201.9
285.	.0	140.5	-10.0	.0	120.5	.0	201.9
290.	.0	145.2	-10.0	.0	120.5	.0	201.9
295.	.0	149.8	-10.0	.0	120.5	.0	201.9
300.	.0	154.6	-10.0	.0	120.5	.0	201.9
305.	.0	159.3	-10.0	.0	120.5	.0	201.9
310.	.0	164.0	-10.0	.0	120.5	.0	201.9
315.	.0	168.8	-10.0	.0	120.5	.0	201.9
320.	.0	173.5	-10.0	.0	120.5	.0	201.9
325.	.0	178.3	-10.0	.0	120.5	.0	201.9
330.	.0	179.0	-10.0	.0	120.5	.0	201.9
335.	.0	179.0	-10.0	.0	120.5	.0	201.9
340.	.0	179.0	-10.0	.0	120.5	.0	201.9
345.	.0	179.0	-10.0	.0	120.5	.0	201.9
350.	.0	179.0	-10.0	.0	120.5	.0	201.9
355.	.0	179.0	-10.0	.0	120.5	.0	201.9
360.	.0	179.0	-10.0	.0	120.5	.0	201.9

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POINTING AZIMUTH AND ELEVATION ANGLES

SATELLITE LONGITUDE	LONG DIFF	AZIMUTH	ELEV ANGLE	SATELLITE NAME
47.50	-34.14	126.67	38.84	SES 14
48.00	-33.64	127.19	39.23	
49.00	-32.64	128.25	39.99	
50.00	-31.64	129.33	40.73	
51.00	-30.64	130.44	41.47	
52.00	-29.64	131.58	42.19	
53.00	-28.64	132.75	42.91	INTELSAT 23
54.00	-27.64	133.96	43.61	
55.00	-26.64	135.19	44.29	INTELSAT 34
56.00	-25.64	136.45	44.97	
57.00	-24.64	137.75	45.63	
58.00	-23.64	139.08	46.27	INTELSAT 21
59.00	-22.64	140.44	46.90	
60.00	-21.64	141.84	47.51	AMAZONAS 2/3/5
61.00	-20.64	143.28	48.10	ECHOSTAR 17/16
62.00	-19.64	144.75	48.67	
63.00	-18.64	146.26	49.22	TELSTAR 14R/19 VANTAGE
64.00	-17.64	147.80	49.75	
65.00	-16.64	149.38	50.26	STAR ONE C1/EUTELSAT 65 WEST A
66.00	-15.64	150.99	50.75	
67.00	-14.64	152.65	51.21	SES 10
68.00	-13.64	154.33	51.65	ECHOSTAR 23