

Tele-Sci Solutions, LLC

P.O. Box 237

Augusta, NJ 07822-0237

Phone: 973-862-6675

Email: telesci@yahoo.com

TO: All Coordinators

April 20, 2023

Re: Multi-Link Holland

T/O Earth Station

Miami, FL (Media Compound Miami International Autodrome)

Dear System Professional:

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 the Media Compound for the Miami International Autodrome at Miami, 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:

Satellite/ Transponder	Arc Position	Frequency (MHZ)	Date of Operation
SES 14	47.5 deg	5925-6285; 6345-6425	05/01/23 – 05/31/23

The earth station will be located at the west side of Hard Rock Stadium which is 168 feet in height. Northeastern, eastern, southeastern and southern headings will be shielded by the stadium.

We would appreciate your reply either by telephone, mail, email or fax to the Tele-Sci Solutions, LLC office. If you should have any questions, please do not hesitate to contact me. Thank you for your assistance in this coordination.

Sincerely,

Janine Miliband
General Manager

TEMPORARY SATELLITE EARTH STATION
FREQUENCY COORDINATION DATA
04/20/23

COMPANY NAME: MULTI-LINK HOLLAND
EARTH STATION LOCATION: MIAMI, FL
LATITUDE(DMS): 25 57 31.8
LONGITUDE(DMS): 80 14 27.0
SITE GROUND ELEVATION(FT. AMSL): -1.0
ANTENNA CENTER LINE(FT): 10.0
ANTENNA TYPE: PRODELIN
1385
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): 5925-6285; 6345-6425

EMISSION DESIGNATOR 36MOF9Y

MODULATION: DIGITAL

MAX. AVAILABLE RF POWER(DBW/4KHZ): -15.54
(DBW/36MHZ) : 24.00

MAX. EIRP (DBW/4KHZ): 30.86
(DBW/36MEZ) : 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 DEG
AZIMUTH 124.3 DEG
ELEVATION 42.8 DEG

RADIO CLIMATE A

RAIN ZONE 1

MAXIMUM GREAT CIRCLE COORDINATION DISTANCE(KM)

6 GHZ 114.8

PRECIPITATION SCATTER CONTOUR RADIUS(KM)

6 GHZ 202.5

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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	126.2	-10.0	.0	110.5	.0	202.5
10.	.0	121.5	-10.0	.0	110.5	.0	202.5
15.	.0	116.8	-10.0	.0	110.5	.0	202.5
20.	.0	112.1	-10.0	.0	110.5	.0	202.5
25.	.0	107.4	-10.0	.0	110.5	.0	202.5
30.	.0	102.9	-10.0	.0	110.5	.0	202.5
35.	.0	98.3	-10.0	.0	110.5	.0	202.5
40.	.0	93.8	-10.0	.0	110.5	.0	202.5
45.	.0	89.4	-10.0	.0	110.5	.0	202.5
50.	.0	85.0	-10.0	.0	110.5	.0	202.5
55.	.0	80.7	-10.0	.0	110.5	.0	202.5
60.	.0	76.5	-10.0	.0	110.5	.0	202.5
65.	.0	72.4	-10.0	.0	110.5	.0	202.5
70.	.0	68.4	-10.0	.0	110.5	.0	202.5
75.	.0	64.6	-10.0	.0	110.5	.0	202.5
80.	.0	60.9	-10.0	.0	110.5	.0	202.5
85.	.0	57.4	-10.0	.0	110.5	.0	202.5
90.	.0	54.2	-10.0	.0	110.5	.0	202.5
95.	.0	51.2	-10.0	.0	110.5	.0	202.5
100.	.0	48.6	-10.0	.0	110.5	.0	202.5
105.	.0	46.3	-9.6	.0	111.6	.0	202.5
110.	.0	44.5	-9.2	.0	113.0	.0	202.5
115.	.0	43.3	-8.9	.0	114.0	.0	202.5
120.	.0	42.5	-8.7	.0	114.6	.0	202.5
125.	.0	42.4	-8.7	.0	114.8	.0	202.5
130.	.0	42.8	-8.8	.0	114.4	.0	202.5
135.	.0	43.8	-9.0	.0	113.6	.0	202.5
140.	.0	45.4	-9.4	.0	112.3	.0	202.5
145.	.0	47.4	-9.9	.0	110.8	.0	202.5
150.	.0	49.8	-10.0	.0	110.5	.0	202.5
155.	.0	52.6	-10.0	.0	110.5	.0	202.5
160.	.0	55.7	-10.0	.0	110.5	.0	202.5
165.	.0	59.0	-10.0	.0	110.5	.0	202.5
170.	.0	62.5	-10.0	.0	110.5	.0	202.5
175.	.0	66.3	-10.0	.0	110.5	.0	202.5
180.	.0	70.1	-10.0	.0	110.5	.0	202.5
185.	.0	74.1	-10.0	.0	110.5	.0	202.5
190.	.0	78.2	-10.0	.0	110.5	.0	202.5
195.	.0	82.5	-10.0	.0	110.5	.0	202.5
200.	.0	86.8	-10.0	.0	110.5	.0	202.5
205.	.0	91.1	-10.0	.0	110.5	.0	202.5
210.	.0	95.6	-10.0	.0	110.5	.0	202.5
215.	.0	100.0	-10.0	.0	110.5	.0	202.5
220.	.0	104.6	-10.0	.0	110.5	.0	202.5

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225.	.0	109.1	-10.0	.0	110.5	.0	202.5
230.	.0	113.8	-10.0	.0	110.5	.0	202.5
235.	.0	118.4	-10.0	.0	110.5	.0	202.5
240.	.0	123.1	-10.0	.0	110.5	.0	202.5
245.	.0	127.8	-10.0	.0	110.5	.0	202.5
250.	.0	132.5	-10.0	.0	110.5	.0	202.5
255.	.0	137.2	-10.0	.0	110.5	.0	202.5
260.	.0	142.0	-10.0	.0	110.5	.0	202.5
265.	.0	146.7	-10.0	.0	110.5	.0	202.5
270.	.0	151.5	-10.0	.0	110.5	.0	202.5
275.	.0	156.3	-10.0	.0	110.5	.0	202.5
280.	.0	161.1	-10.0	.0	110.5	.0	202.5
285.	.0	166.0	-10.0	.0	110.5	.0	202.5
290.	.0	170.8	-10.0	.0	110.5	.0	202.5
295.	.0	175.6	-10.0	.0	110.5	.0	202.5
300.	.0	179.0	-10.0	.0	110.5	.0	202.5
305.	.0	179.0	-10.0	.0	110.5	.0	202.5
310.	.0	179.0	-10.0	.0	110.5	.0	202.5
315.	.0	179.0	-10.0	.0	110.5	.0	202.5
320.	.0	179.0	-10.0	.0	110.5	.0	202.5
325.	.0	179.0	-10.0	.0	110.5	.0	202.5
330.	.0	179.0	-10.0	.0	110.5	.0	202.5
335.	.0	179.0	-10.0	.0	110.5	.0	202.5
340.	.0	179.0	-10.0	.0	110.5	.0	202.5
345.	.0	179.0	-10.0	.0	110.5	.0	202.5
350.	.0	179.0	-10.0	.0	110.5	.0	202.5
355.	.0	179.0	-10.0	.0	110.5	.0	202.5
360.	.0	179.0	-10.0	.0	110.5	.0	202.5

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POINTING AZIMUTH AND ELEVATION ANGLES

SATELLITE	LONG		ELEV	SATELLITE
LONGITUDE	DIFF	AZIMUTH	ANGLE	NAME
47.50	-32.74	124.3	42.80	SES 14