



COMSEARCH[®]
A CommScope Company

July 07, 2017

Re: Digital Comm Link, Inc.
DAVIE, FL (7.3m)
Call Sign: E950497
Ku-Band Transmit-Receive Earth Station
Job Number: 170707COMSGE01

***** Revision Notice *****

Dear Frequency Coordinator:

This notice is being provided in accordance with Section 25.203(c) of the FCC Rules and Regulations. We are forwarding the attached revised coordination data on behalf of Digital Comm Link, Inc. for modifications to their existing Ku-Band Transmit-Receive Earth Station in DAVIE, FL.

The coordination notice is being circulated to the owners (or their protection agents) of all existing or proposed terrestrial facilities operating in a shared frequency band within the coordination contours of the proposed station(s). Please update your database with the attached information.

We respectfully request that you examine this data for its interference potential with your system(s). In the event that your analysis identifies potential interference cases that were not previously reported, please contact us by August 11, 2017.

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

Sincerely,

COMSEARCH

Gary K. Edwards
Senior Manager
gedwards@comsearch.com

Enclosure(s)

Date: 07/07/2017
 Job Number: 170707COMSGE01

Administrative Information

Status ENGINEER PROPOSAL
 Call Sign E950497
 Licensee Code ZDIGCO
 Licensee Name Digital Comm Link, Inc.

Site Information

DAVIE, FL

Venue Name
 Latitude (NAD 83) 26° 6' 23.0" N
 Longitude (NAD 83) 80° 17' 17.0" W
 Climate Zone A
 Rain Zone 1
 Ground Elevation (AMSL) 1.48 m / 4.9 ft

Link Information

Satellite Type Geostationary
 Mode TR - Transmit-Receive
 Modulation Digital
 Satellite Arc 6° W to 143° West Longitude
 Azimuth Range 97.1° to 257.2°
 Corresponding Elevation Angles 5.4° / 16.0°
 Antenna Centerline (AGL) 2.1 m / 6.9 ft

Antenna Information

Receive - FCC32

Transmit - FCC32

Manufacturer	General Dynamics	General Dynamics
Model	Satcom 7.3m	Satcom 7.3m
Gain / Diameter	56.5 dBi / 7.3 m	58.1 dBi / 7.3 m
3-dB / 15-dB Beamwidth	0.25° / 0.50°	0.21° / 0.43°
Max Available RF Power	(dBW/4 kHz) (dBW/MHz)	-14.0 10.0
Maximum EIRP	(dBW/4 kHz) (dBW/MHz)	44.1 68.1
Interference Objectives:	Long Term	-156.0 dBW/MHz 20%
	Short Term	-146.0 dBW/MHz 0.01%
		-151.0 dBW/4 kHz 20%
		-128.0 dBW/4 kHz 0.0025%

Frequency Information

Receive 11.0 GHz

Transmit 14.0 GHz

Emission / Frequency Range (MHz) 44K8G7D - 36M0G7W / 10950.0 - 11200.0 44K8G7D - 36M0G7W / 14000.0 - 14500.0
 44K8G7D - 36M0G7W / 11450.0 - 12200.0

Max Great Circle Coordination Distance 602.4 km / 374.3 mi 267.9 km / 166.5 mi
 Precipitation Scatter Contour Radius 662.2 km / 411.4 mi 100.0 km / 62.1 mi

Coordination Values	DAVIE, FL		
Licensee Name	Digital Comm Link, Inc.		
Latitude (NAD 83)	26° 6' 23.0" N		
Longitude (NAD 83)	80° 17' 17.0" W		
Ground Elevation (AMSL)	1.48 m / 4.9 ft		
Antenna Centerline (AGL)	2.1 m / 6.9 ft		
Antenna Model	General Dynamics 7.3 meter		
Antenna Mode	Receive 11.0 GHz		Transmit 14.0 GHz
Interference Objectives: Long Term	-156.0 dBW/MHz	20%	-151.0 dBW/4 kHz 20%
Short Term	-146.0 dBW/MHz	0.01%	-128.0 dBW/4 kHz
	0.0025%		
Max Available RF Power			-14.0 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 11.0 GHz		Transmit 14.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	97.03	-10.00	231.37	-10.00	115.80
5	0.00	92.05	-10.00	231.37	-10.00	115.80
10	0.00	87.07	-10.00	231.37	-10.00	115.80
15	0.00	82.09	-10.00	231.37	-10.00	115.80
20	0.00	77.12	-10.00	231.37	-10.00	115.80
25	0.00	72.14	-10.00	231.37	-10.00	115.80
30	0.00	67.17	-10.00	231.37	-10.00	115.80
35	0.00	62.19	-10.00	231.37	-10.00	115.80
40	0.00	57.22	-10.00	231.37	-10.00	115.80
45	0.00	52.26	-10.00	231.37	-10.00	115.80
50	0.00	47.30	-9.87	231.93	-9.87	116.13
55	0.00	42.34	-8.67	237.29	-8.67	119.13
60	0.30	37.36	-7.31	234.04	-7.31	115.07
65	0.00	32.46	-5.79	250.95	-5.79	126.44
70	0.00	27.56	-4.01	259.77	-4.01	129.80
75	0.60	22.55	-1.83	235.40	-1.83	109.05
80	0.00	17.87	0.70	284.73	0.70	143.41
85	0.00	13.20	3.98	300.82	3.98	154.51
90	0.27	8.73	8.48	323.32	8.48	165.74
95	0.00	5.79	12.93	602.41	12.93	267.92
100	0.00	6.16	12.26	388.44	12.26	190.97
105	0.00	9.60	7.44	324.41	7.44	168.93
110	0.00	13.96	3.38	297.12	3.38	152.37
115	0.00	18.35	0.41	283.14	0.41	142.50
120	0.00	22.70	-1.90	270.64	-1.90	135.56
125	0.00	27.00	-3.78	260.89	-3.78	130.38
130	0.00	31.22	-5.36	253.02	-5.36	127.53
135	0.00	35.36	-6.71	246.50	-6.71	124.07
140	0.00	39.37	-7.88	240.90	-7.88	121.12
145	0.00	43.22	-8.89	236.28	-8.89	118.56
150	0.00	46.87	-9.77	232.36	-9.77	116.37
155	0.00	50.25	-10.00	231.37	-10.00	115.80
160	0.00	53.28	-10.00	231.37	-10.00	115.80
165	0.00	55.84	-10.00	231.37	-10.00	115.80
170	0.00	57.81	-10.00	231.37	-10.00	115.80
175	0.00	59.06	-10.00	231.37	-10.00	115.80
180	0.00	59.49	-10.00	231.37	-10.00	115.80
185	0.00	59.06	-10.00	231.37	-10.00	115.80

Coordination Values		DAVIE, FL			
Licensee Name		Digital Comm Link, Inc.			
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Ground Elevation (AMSL)		1.48 m / 4.9 ft			
Antenna Centerline (AGL)		2.1 m / 6.9 ft			
Antenna Model		General Dynamics 7.3 meter			
Antenna Mode		Receive 11.0 GHz		Transmit 14.0 GHz	
Interference Objectives: Long Term		-156.0 dBW/MHz	20%	-151.0 dBW/4 kHz	20%
Short Term		-146.0 dBW/MHz	0.01%	-128.0 dBW/4 kHz	
	0.0025%				
Max Available RF Power		-14.0 (dBW/4 kHz)			

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 11.0 GHz		Transmit 14.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	57.81	-10.00	231.37	-10.00	115.80
195	0.00	55.84	-10.00	231.37	-10.00	115.80
200	0.00	53.28	-10.00	231.37	-10.00	115.80
205	0.00	50.25	-10.00	231.37	-10.00	115.80
210	0.00	46.87	-9.77	232.36	-9.77	116.37
215	0.00	43.22	-8.89	236.28	-8.89	118.57
220	0.00	39.37	-7.88	240.90	-7.88	121.12
225	0.00	35.35	-6.71	246.50	-6.71	124.08
230	0.00	31.22	-5.36	253.01	-5.36	127.53
235	0.00	27.10	-3.83	260.68	-3.83	130.27
240	0.00	23.30	-2.18	269.16	-2.18	134.76
245	0.00	19.99	-0.52	278.05	-0.52	139.63
250	0.00	17.46	0.95	286.14	0.95	144.21
255	0.00	16.10	1.83	291.13	1.83	147.09
260	0.00	16.19	1.77	290.79	1.77	146.90
265	0.00	17.71	0.80	285.30	0.80	143.73
270	0.00	20.34	-0.71	277.02	-0.71	139.06
275	0.00	23.72	-2.38	268.14	-2.38	134.21
280	0.00	27.57	-4.01	259.74	-4.01	129.78
285	0.00	31.72	-5.53	252.17	-5.53	127.09
290	0.00	36.07	-6.93	245.47	-6.93	123.52
295	0.32	40.44	-8.17	227.58	-8.17	110.81
300	0.32	45.03	-9.34	223.01	-9.34	108.34
305	0.00	49.76	-10.00	231.37	-10.00	115.80
310	0.00	54.45	-10.00	231.37	-10.00	115.80
315	0.00	59.17	-10.00	231.37	-10.00	115.80
320	0.00	63.92	-10.00	231.37	-10.00	115.80
325	0.00	68.69	-10.00	231.37	-10.00	115.80
330	0.00	73.47	-10.00	231.37	-10.00	115.80
335	0.00	78.27	-10.00	231.37	-10.00	115.80
340	0.00	83.07	-10.00	231.37	-10.00	115.80
345	0.00	87.88	-10.00	231.37	-10.00	115.80
350	0.00	92.68	-10.00	231.37	-10.00	115.80
355	0.00	97.49	-10.00	231.37	-10.00	115.80