

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WG2XCY

(Call Sign)

0025-EX-PL-2012

(File Number)

NAME L-3 Communications Corp. Narda Satellite Networks

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(b) of the Commission's Rules

Station Locations

- (1) MOBILE: Hauppauge, NY, within 0.1 km, centered around NL 40-48-32; WL 73-16-05
- (2) MOBILE: Hauppauge, NY, within 0.1 km, centered around NL 40-48-32; WL 73-16-05
- (3) MOBILE: Hauppauge, NY, within 0.1 km, centered around NL 40-48-32; WL 73-16-05
- (4) MOBILE: Hauppauge, NY, within 0.1 km, centered around NL 40-48-32; WL 73-16-05
- (5) MOBILE: Hauppauge, NY, within 0.1 km, centered around NL 40-48-32; WL 73-16-05
- (6) MOBILE: Hauppauge, NY, within 0.1 km, centered around NL 40-48-32; WL 73-16-05
- (7) MOBILE: Hauppauge, NY, within 0.1 km, centered around NL 40-48-32; WL 73-16-05

Frequency Information

MOBILE: Hauppauge, NY, within 0.1 km, centered around NL 40-48-32; WL 73-16-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.85-6.425 GHz	MO	80K0G1N	1.41 MW (ERP)	
7.9-8.4 GHz	MO	80K0G1N	3.02 MW (ERP)	
14-14.5 GHz	MO	160KG1N	4.47 MW (ERP)	

This authorization effective September 28, 2012 and
will expire 3:00 A.M. EST October 01, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Hauppauge, NY, within 0.1 km, centered around NL 40-48-32; WL 73-16-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
30-31 GHz	MO	1G25G1N	3.98 MW (ERP)	

MOBILE: Hauppauge, NY, within 0.1 km, centered around NL 40-48-32; WL 73-16-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7.9-8.4 GHz	MO	80K0G1N	0.22 MW (ERP)	
13.75-14.5 GHz	MO	160KG1N	0.66 MW (ERP)	
30-31 GHz	MO	1G25G1N	1.29 MW (ERP)	

MOBILE: Hauppauge, NY, within 0.1 km, centered around NL 40-48-32; WL 73-16-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.85-6.425 GHz	MO	80K0G1N	5.62 MW (ERP)	
5.85-6.65 GHz	MO	80K0G1N	3.98 MW (ERP)	
7.9-8.4 GHz	MO	80K0G1N	12.59 MW (ERP)	

Frequency Information

MOBILE: Hauppauge, NY, within 0.1 km, centered around NL 40-48-32; WL 73-16-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13.75-14.5 GHz	MO	160KG1N	28.18 MW (ERP)	
30-31 GHz	MO	1G00G1N	35.48 MW (ERP)	

MOBILE: Hauppauge, NY, within 0.1 km, centered around NL 40-48-32; WL 73-16-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7.9-8.4 GHz	MO	80K0G1N	0.35 MW (ERP)	
13.75-14.5 GHz	MO	160KG1N	1.05 MW (ERP)	
30-31 GHz	MO	1G25G1N	5.37 MW (ERP)	

MOBILE: Hauppauge, NY, within 0.1 km, centered around NL 40-48-32; WL 73-16-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.85-6.425 GHz	MO	80K0G1N	0.37 MW (ERP)	
7.9-8.4 GHz	MO	80K0G1N	0.6 MW (ERP)	

Frequency Information

MOBILE: Hauppauge, NY, within 0.1 km, centered around NL 40-48-32; WL 73-16-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13.75-14.5 GHz	MO	160KG1N	1.7 MW (ERP)	
30-31 GHz	MO	1G25G1N	6.76 MW (ERP)	

MOBILE: Hauppauge, NY, within 0.1 km, centered around NL 40-48-32; WL 73-16-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.85-6.425 GHz	MO	80K0G1N	0.52 MW (ERP)	
7.9-8.4 GHz	MO	80K0G1N	1.02 MW (ERP)	
13.75-14.5 GHz	MO	160KG1N	2.19 MW (ERP)	

MOBILE: Hauppauge, NY, within 0.1 km, centered around NL 40-48-32; WL 73-16-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.85-6.425 GHz	MO	80K0K8C	2 MW (ERP)	
7.9-8.4 GHz	MO	80K0G1N	5.01 MW (ERP)	

Frequency Information

MOBILE: Hauppauge, NY, within 0.1 km, centered around NL 40-48-32; WL 73-16-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13.75-14.5 GHz	MO	160KG1N	10 MW (ERP)	
30-31 GHz	MO	1G25G1N	12.59 MW (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract numbers: N65236-08-D-2105 , FA8726-06-D-0001, and W15P7T-06-D-L220. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (4) POINT OF COMMUNICATION: Intelsat G-28 , WGS-3 , Amazonas-2.