

**FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SPECIAL TEMPORARY AUTHORITY**

Applicant Name

Name of Applicant: L3 Communications

Address

Attention: Kenneth Shamburger CBN 158

Street Address:

P.O. Box: 6056

City: Greenville

State: TX

Zip Code: 75403-6056

Country:

E-Mail Address: kenneth.h.shamburger@l-3com.com

Best Contact

Give the following information of person who can best handle inquiries pertaining to this application:

Last Name: Shamburger

First Name: Kenneth

Title: Principle Systems Engineer

Phone Number: 903-457-5339

Explanation

Please explain in the area below why an STA is necessary:

For technical reasons, the number of frequencies needed to calibrate the Near Vertical Direction Finder System was increased. The first calibration of the system is in December. The nearness of the calibration dates prevents the possibility of modifying the original authorization, making an STA necessary.

Purpose of Operation

Please explain the purpose of operation:

The system described in the license provides signals for calibrating a Near Vertical Direction Finder.

Information

Callsign: WH2XKR

Class of Station: FX

Nature of Service: Experimental

Requested Period of Operation

Operation Start Date: 12/01/2014

Operation End Date: 05/01/2015

Manufacturer

List below transmitting equipment to be installed (if experimental, so state) if additional rows are required, please submit equipment list as an exhibit:

Manufacturer	Model Number	No. Of Units	Experimental
Agilent	N8241A	1	No
Agilent	E4420B	1	No
Standford Research	FS725	1	No

Ophir RF
CMT

5254FE 2 No
CMF874 2 No

Certification

Neither the applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. The applicant hereby waives any claim to the use of any particular frequency or electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.) The applicant acknowledges that all statements made in this application and attached exhibits are considered material representations, and that all the exhibits part hereof and are incorporated herein as if set out in full in this application; undersigned certifies that all statements in this application are true, complete and correct to the best of his/her knowledge and belief and are made in good faith. Applicant certifies that construction of the station would NOT be an action which is likely to have a significant environmental effect. See the Commission's Rules, 47 CFR1.1301-1.1319.

Signature of Applicant (Authorized person filing form): Kenneth Shamburger

Title of Applicant (if any):

Date:

2014-10-17 00:00:00.0

Station Location

City	State	Latitude	Longitude	Mobile	Radius of Operation
Greenville	Texas	North 33 4 13	West 96 3 29		

Datum: NAD 83

Is a directional antenna (other than radar) used? Yes

Exhibit submitted: Yes

(a) Width of beam in degrees at the half-power point:

(b) Orientation in horizontal plane:

(c) Orientation in vertical plane:

Will the antenna extend more than 6 meters above the ground, or if mounted on an existing building, will it extend more than 6 meters above the building, or will the proposed antenna be mounted on an existing structure other than a building? No

(a) Overall height above ground to tip of antenna in meters: 1.50

(b) Elevation of ground at antenna site above mean sea level in meters: 165.00

(c) Distance to nearest aircraft landing area in kilometers: 0.35

(d) List any natural formations of existing man-made structures (hills, trees, water tanks, towers, etc.) which, in the opinion of the applicant, would tend to shield the antenna from aircraft:

Action	Frequency	Station Class	Output Power/ERP	Mean Peak	Frequency Tolerance (+/-)	Emission Designator	Modulating Signal
New		FX	5.000000 W 178.000000 W	P		10K0N0N	five unmodulated carriers
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New		FX	5.000000 W 178.500000 W	M		10K0N0N	five unmodulated carriers
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New		FX	5.000000 W	P		10K0N0N	five unmodulated

carriers

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		Class	Power/ERP	Peak	Tolerance (+/-)	Designator	Signal
New		FX	5.000000 W 178.500000 W	P		10K0N0N	five unmodulated carriers
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Will the antenna extend more than 6 meters above the ground, or if mounted on an existing building, will it extend more than 6 meters above the building, or will the proposed antenna be mounted on an existing structure other than a building? No

(a) Overall height above ground to tip of antenna in meters: 1.50

(b) Elevation of ground at antenna site above mean sea level in meters: 19.00

(c) Distance to nearest aircraft landing area in kilometers: 0.46

(d) List any natural formations of existing man-made structures (hills, trees, water tanks, towers, etc.) which, in the opinion of the applicant, would tend to shield the antenna from aircraft:

Action	Frequency	Station Class	Output Power/ERP	Mean Peak	Frequency Tolerance (+/-)	Emission Designator	Modulating Signal
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