

EXHIBIT A

This new license application replaces the expired license KB2XQT, FCC file number 0262-EX-R-93.

Use is now limited to a fixed site in Charlottesville, VA.

A copy of the KB2XQT license information is attached.

The new license is for the testing during manufacture and repair of marine and aviation radars at our manufacturing facility:

Litton Marine Systems Inc
1070 Seminole Trail
Charlottesville, VA 22901

Previously operating KB2XQT as:

Sperry Marine Inc
1070 Seminole Trail
Charlottesville, VA 22901

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

EXPERIMENTAL
 (Nature of Service)

XD MO
 (Class of Station)

KB2XQT
 (Call Sign)

0262-EX-R-97
 (File Number)

NAME SPERRY MARINE, INC.

See Below
 (Location of Station)

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.

	Frequency MHz	Class Stn	Emission Designator	Authorized Power watts
(1)	2920.00000- 3100.00000	MO	160MP0N	75M (ERP)
(2)	2920.00000- 3100.00000	MO	160MP0N	75M (ERP)
(3)	2920.00000- 3100.00000	MO	160MP0N	75M (ERP)
(4)	2920.00000- 3100.00000	MO	160MP0N	75M (ERP)
(1)	9320.00000- 9500.00000	MO	180MP0N	75K (output)
(2)	9320.00000- 9500.00000	MO	180MP0N	75K (output)
(3)	9320.00000- 9500.00000	MO	180MP0N	75K (output)
(4)	9320.00000- 9500.00000	MO	180MP0N	75K (output)

Station Location:

(1) VA

This authorization effective September 1, 1997 and
 will expire 3:00 A.M. EST September 1, 1999

**FEDERAL
 COMMUNICATIONS
 COMMISSION**



Station Location: (Continued)

Area Of Operation: SHORES OF LAKE ANNA, BOUNDED BY 38N-38
10 N; BY 77 42 30 W 77 57 30 W.

(2) CHARLOTTESVILLE, VA

Area Of Operation: WITHIN 32 KM OF CHARLOTTESVILLE

(3) TX

Area Of Operation: COASTAL BETWEEN TEXAS & MAINE

(4) MI

Area Of Operation: GREAT LAKES AREA

Operation: In accordance with Sec. 5.202(i) of the Commission's
Rules.

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) The station identification requirements of Section 5.152 of the
Commission's Rules are waived.

(3) All operations subject to coordination with the Eastern Area
Frequency Coordinator located at Patrick AFB, Florida, prior to use
within the area bounded by 24 degrees N. 31 degrees 30' N. and 70
degrees W. 83 W.

(4) All operations subject to coordination with the Gulf Area
Frequency Coordinator located at Elgin AFB, Florida, prior to use
within the area bounded by 27 degrees N. 33 degrees 30' N. and 83
degrees W. 90 degrees W.

EXHIBIT B

Marine Radar

Pulse repetition rate	Pulse duration
640pps	1.0usec (S-band only)
1600	0.4usec (S-band) 0.25usec (X-band)
3200	0.07usec (X-band only)

Aviation Radar

1900pps	0.200usec
180	4.5ms
350	2.35ms
1025	0.800usec

EXHIBIT C

Necessary bandwidth in accordance with ITU regulations for marine radars (nominally 60MHz) and 15Mhz for aviation radars.

EXHIBIT D

There continue to be a string of U.S. government contracts for production, maintenance and repair.

A current contract for repair is U.S. Navy BOA N00104-94-G-A020