

5-3416-6298

REQUEST FOR STA

per #1450-470 D

In accordance with Section 5.56 of the Commission's Rules, a special temporary authorization ("STA") for a period ninety (90) days is requested. The information required by Section 5.56(b) is as follows:

1. Name and address.

Tideland Signal Corporation
4310 Director's Row
Houston, Texas 77052

7-19-98
6-12-98
7-11-98
6-11-98
ON 7-16-98

2. Need for special action. The applicant develops and sells aids to marine navigation. The radio facilities are used in connection with the development, testing, demonstration and monitoring of these navigation aids. The Commission has previously granted experimental licenses for this purpose, KM2XMM and K12XEQ. However, those licenses inadvertently were allowed to expire. Applications for their reinstatement have been filed. Meanwhile, Tideland Signal needs to resume the experimental operations and the STA is needed as authority to do so.

3. Type of operations to be conducted. See Attachment.

4. Purpose of operation. See response to items 2 and 3.

5. Time and date. As soon as the STA can be granted and for a period of 90 days.

6. Class of station. Experimental base/mobile and mobile.

7. Equipment to be used.

Motorola	Model R9600
Ratheon	Model R10 Radar
Appel Co.	Model LDC-9900
Ericsson	Model DL-100 radio
Tideland Signal	Seabescon 1 Racon
Tideland Signal	Seabescon 2 Racon
Thrane & Thrane	TT-3022A

8. Frequency bands.

450-470 MHz

1626.5-1646.5 MHz

29-3100 MHz

93-9500 MHz

7-11-98 (3C)

eff 020901

why band instead of specific freqs? no need, del

9. Power

450-470 MHz: 4 watts output, 40 watts ERP
1626.5-1646.5 MHz .23 dbk/14 dbw (nominal)
29-3100 MHz 1.0 watt output, 10 watts ERP
93-9500 MHz 1.5 watts output, 375 KH ERP

10. Type of emission.

450-470 MHz A35
29-3100 MHz W21
93-9500 MHz W21
1626.5-1646.5 MHz G1D

11. Overall height of antenna. Antenna will not exceed 20 feet above ground and above manmade structure.