

Antenna Information for Antenna Registration #2**9380-9440 MHz**

The following information is provided with respect to the facilities identified at Antenna Registration #2 of the instant Application:

Transmitting Equipment

Manufacturer	Model	Quantity	Experimental
Fruruno Electric Co. LTD	1623	1	No

Beamwidth and Orientation of Antenna and Other Technical Issues

This directional antenna is a mechanically rotating dish (360°) with three rotational speeds (41 RPM, 31 RPM, 24 RPM) which increases or decreases the rate of data collection.

3dB BW E (Vertical)	3dB BW H (Horizontal)
25°	6.2°

Note Regarding “Mean” Power Designation

The FCC Form specifies a “Mean” Output Power and ERP of 1.056W. This is a pulsed CW marine radar. The pulse duration and duty cycle (PRR) are adjustable within the limits specified below, resulting in a variable average power, to a maximum of the specified 1.056W:

Pulse Duration/PRR	Average Power
0.08 us/3000 Hz	.528 Watts
0.30 us/1200Hz	.927 Watts
0.80 us/600Hz	1.056 Watts

As this is a pulsed system with no capability to operate outside of these defined parameters, the “Mean” power approach is the most accurate in defining output power and ERP.