



1601 North A.W. Grimes Blvd., Suite B
Round Rock, TX 78665
e-mail: info@ptitest.com
(512) 244-3371 Fax: (512) 244-1846

Antenna Aperture Cover Letter for E-Navcon
FCC ID: FAZ0701013 IC ID: 1334B-0701013

Manufacturers Comment on Antenna Aperture

Aperture specifications are used for large radar antennas, in particular to calculate radar range (or, gain). Since this antenna is not a large radar antenna, there is no aperture spec. Gain and polarization should be sufficient. VSWR may not be needed as a larger number only reduces effective radiated power. Assuming perfect antenna (VSWR of 1:1) gives us maximum effective radiated power.

- i. VSWR: 2.25:1 max over frequency range: 9.3 – 9.5 GHz
- ii. Gain: 6 dBi
- iii. Horizontal polarization

Yours sincerely,

Name: Eric Lifsey

Title: EMC Engineer
