

EXHIBIT 1
FCC FORM 442
ITEMS 4a-4g

- a. The AN/APG-66(V)2 radar operates on 17 fixed frequencies. The beacon mode transmits on 9375MHz only. The remaining modes transmit on the following channels:
9700 9713 9727 9740 9753 9767 9780 9793
9807 9820 9833 9847 9860 9873 9887 9900MHz.

- b-d. The transmitter produces 22,500 Watts of peak power in all modes, with an antenna gain of 34.5dBi, to total 63.4MW of peak ERP

e-g.

Mode	Emission Designator	Pulsewidth	Rise/Fall	PRF	Hop?	Necessary Bandwidth
Beacon	9M06P0N	0.18 to 4.107 uS	150 nS	450	No	9060 kHz
A/A	6M45P0N	0.5 to 4.0 uS	150 nS	140-28000	No	6450 kHz
A/G	206M45P0N	0.5 to 4.0 uS	150 nS	140-28000	Yes	206450 kHz

Necessary bandwidth was determined using the Mason-Zimmerman approximation based on the above parameters.

**EXHIBIT 2
FCC FORM 442
ITEM 7**

Northrop Grumman Corporation is required, under US Customs contract TC-99-037, to upgrade the AN/APG-66 radar in the US Customs Surveillance Support Branch P3 aircraft to the AN/APG-66(V)2 configuration. Transmission is essential to test the upgraded radar prior to reinstallation on board the aircraft. The customer contact is C. Milowic, (202)927-2009.