ACOM International, Inc.

Exhibit 11: Additional Information in Response to 47 CFR Ch.1 Sec. 2.1033

External Radio Frequency
Power Amplifier ACOM1000
Model 1000

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Section c.1.

The "ACOM1000” HF+6 meters linear amplifier will be assembled and production testing performed in the Republic of Bulgaria by the private company “ACOM, OOD”. ACOM, OOD has been designed and manufactured external radio frequency power amplifiers for amateur use since 1990. The company has designed and manufactured the following types of amplifiers:

- The "ETO 91B" HF Linear Amplifier accepted as FCC ID: DGVPA-91B which was marketed in the United States by Alpha/Power, Inc. of Colorado Springs, Colorado continuously till 1999;
- The "ACOM2000A” Automatic HF Linear Amplifier accepted as FCC ID: OITAA2000 which is in volume production and is presently marketed in the United States by the Applicant. ACOM, OOD is located at Lulin Complex, 3011 Street #9, 1324 Sofia, Bulgaria. The president and principal owner of ACOM, OOD is Mr. Vassil M. Vassilev.

- Applicant for certification, ACOM International, Inc. is the exclusive distributor of ACOM, OOD products in North America. With respect to the subject, "ACOM1000” HF+6 meters linear amplifier equipment, Applicant is responsible for all aspects of quality assurance, marketing and service in USA, as well as for the compliance with FCC rules. ACOM International, Inc. is located at 157 Horse Pond Road, Sudbury, Massachusetts, 01776.

Applicant has conducted or observed all design-proof testing and will re-test samples of production equipment on an ongoing basis to assure conformance to Applicant's quality standards, including all FCC regulatory requirements.

Section c.2

This product, designated " ACOM1000 HF+6 meters linear amplifier", hereafter "ACOM1000", is a 1000W external radio frequency power amplifier for amateur use. A complete and self-contained unit covers all amateur bands from 1.8 through 54MHz. The ACOM1000 will be marketed in the United States for use in the Amateur Radio Service. The FCC identifier for the ACOM1000A will be - OIT AA 1000.

Section c.3

A copy of the Installation and Operating Instructions for the ACOM1000 is included as Exhibit 8.

Section c.4

The equipment is suitable for all types of emission authorized for amateur HF use in 97.305 of FCC rules.

Section c.5

The equipment is designed to meet all specifications and FCC performance standards on authorized amateur bands from 1.8 to 54MHz. When delivered to any buyer within FCC's jurisdiction, the equipment is operable on amateur bands only from 1.8 through 21.45MHz and from 50 through 54MHz. Means by which FCC 97.317(b) is met are described in Exhibit 12.

Section c.6

The equipment can be operated at any power level up to 1000W. Lower power linear operation is possible by reducing RF excitation proportionately. An instantaneous peak-reading LCD bargraph is provided for direct readout of output forward peak-power at any time. Another 12 digital readouts are foreseen for most important tube currents and voltages, including plate DC voltage and current, screen DC current, reflected output power, etc.

Section c.7

The equipment is rated for maximum RF power output of 1000W. It is limited to 1200W maximum (including reflected power).

Section c.8

Nominal voltages and currents at rated output (1000W) are:

DC plate voltage: 2300 to 2500V (depends on mains voltage);

DC plate current: 0.6 to 0.5A (depends on mains voltage);

DC screen voltage: 340V (+/- 5% regulated);

DC screen current: 50mA;

DC grid bias: (-) 52V (adjusted individually for minimum IMD).

Section c.9

Tune-up procedure is simplified by a plate-load True Resistance Indicator (TRI) which helps the operator to quickly and precisely match antennas and eliminates probability of inadvertent mistune. The antenna impedance matching capability is up to VSWR 3:1 or higher for all frequency bands. The procedure description is included in Exhibit 3, Section 4-3.

Section c.10

Several features of the ACOM1000 design are specifically intended to reduce spurious radiation to a minimum.

In the input circuit, a non-inductive resistor load ensures that VSWR of 1.3:1 or less is presented to the exciter at the RF input terminal over the entire frequency range.

The output circuit comprises a classic Pi-L network, which suppresses the harmonic emissions. Manufacturer's data sheet and results of our 4CX800A(GU74B) performance tests are included in Exhibit 5. RF performance

is generally the same and spurious emissions are lower to that of "ETO91B" and “ACOM2000A”, especially above 54MHz, thanks to an incorporated VHF/UHF low-pass filter that is added to the “ACOM1000” output.

Section c.11

A photograph showing the design of the FCC identification label for the ACOM1000 is included as Exhibit 1.

Section c.12

Photographs showing the construction and layout of the ACOM1000 are included as Exhibits 2 and 9.

Section c.13

Not applicable to external RF power amplifier.

Section c.14

Not applicable, as provided in Section c.15.

Section c.15

Measurement data indicating compliance with requirements of Part 97.307 and Part 97.317 is included as Exhibit 5.

Section c.16

Not applicable to external RF power amplifier.

Section c.17

Not applicable to external RF power amplifier. The subject equipment application is not part of a composite system.