



**Exhibit 9: Additional Information in  
Response to 47 CFR Ch.1 Sec. 2.1033**

**External Radio Frequency  
Power Amplifier ACOM 700S**

**Model 700S**

## **Additional Information in Response to 47 CFR Ch.1 Sec. 2.1033**

### **Section c.1.**

The "ACOM1200S" HF linear amplifier will be assembled and production testing performed in the Republic of Bulgaria by the 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 being presently marketed in the United States by the Applicant;
- the "ACOM1000" HF+6m Linear Amplifier accepted as FCC ID: OITAA1000, which is in volume production and is being presently marketed in the United States by the Applicant;
- the "ACOM1010" HF Linear Amplifier accepted as FCC ID: SRRA1010, which is in volume production and is being presently marketed in the United States by the Applicant;
- the "ACOM1011" HF Linear Amplifier accepted as FCC ID: X8NAA1011, which is in volume production and is being presently marketed in the United States by the Applicant;
- the "ACOM1500" HF Linear Amplifier accepted as FCC ID: X8NX8NAA1500, which is in volume production and is being presently marketed in the United States by the Applicant;
- the "ACOM600S" HF Linear Amplifier accepted as FCC ID: X8NA600S, which is in volume production and is being presently marketed in the United States by the Applicant;
- the "ACOM1200S" HF Linear Amplifier accepted as FCC ID: 2AJXZ1200S, which is in volume production and is being presently marketed in the United States by the Applicant.

ACOM, OOD is located at Bul.Nikola Musanov Nr.151, 1330 Sofia Bulgaria. The president and principal owner of ACOM, OOD is Mr. Vassil M. Vassilev.

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 "ACOM700S HF linear amplifier", hereafter "ACOM700S", is an external radio frequency power amplifier that covers all amateur bands from 1.8 through 54MHz and provides 700W PEP or continuous output power with 23 to 35W-exciter drive. It is based on and is similar to our previous model ACOM600S (FCC ID: X8NA600S) and provides continuous carrier operation at 700W.

The ACOM700S will be marketed in the United States for use in the Amateur Radio Service. The FCC identifier for the ACOM700S will be 2AJXZ700S.

### **Section c.3**

A copy of the Installation and Operating Instructions for the ACOM700S is included as Exhibit 6.

### **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 all amateur bands from 1.8 to 54MHz. When delivered to any buyer within FCC's jurisdiction, the equipment is not operable on frequencies between 26MHz and 28MHz according to FCC 97.317(b).

**Section c.6**

The equipment can be operated at any power level up to 800W PEP. Lower power linear operation is possible by reducing RF excitation proportionately. An instantaneous peak-reading bar-graph is provided for direct readout of output forward peak-power at any time. The numeric value of the output power can be read on the display too.

**Section c.7**

The equipment is rated for maximum RF power output of 700W PEP or continuous carrier.

**Section c.8**

Nominal voltages and currents at rated output (700W) continuous carrier are:

- LDMOS drain DC voltage: 51V;
- LDMOS drain DC current: 27A;
- LDMOS gate bias DC voltage: 1.8V
- LDMOS drain idle current: 1A

**Section c.9**

The ACOM700S is a tune-free amplifier.

**Section c.10**

Several features of the ACOM700S design are specifically intended to reduce spurious radiation to a minimum.

In the input circuit, a non-inductive attenuator load ensures that VSWR of 1.1:1 or less is presented to the exciter at the RF input terminal over the entire frequency range. The output diplexer low pass filters provide necessary suppression of the harmonic content.

Results of our ACOM700S performance tests are included in Exhibit 5.

**Section c.11**

A photograph showing the design of the FCC identification label for the ACOM700S is included as Exhibit 1.

**Section c.12**

Photographs showing the construction and layout of the ACOM700S are included as Exhibits 2 and 7.

**Section c.13**

Not applicable to external RF power amplifiers.

**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 Exhibits 5 and 10.

**Section c.16**

Not applicable to external RF power amplifiers.

**Section c.17**

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