



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

**External Radio Frequency
Power Amplifier ACOM 600S**

Model 600S

Array Solutions
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Additional Information in Response to 47 CFR Ch.1 Sec. 2.1033

Section c.1.

The "ACOM 600S" 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.
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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 for certification, Array Solutions is a distributor of ACOM OOD products in North America. With respect to the subject, "ACOM 600S" HF 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. Array Solutions is located at 2611 North Beltline Rd, Suite 109, Sunnyvale, Texas 75182, USA.

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 "ACOM 600S HF linear amplifier", hereafter "ACOM 600S", is an external radio frequency power amplifier that covers all amateur bands from 1.8 through 54MHz and provides 600W PEP output power with typically 25W-exciter drive, or 600W continuous carrier.

The ACOM 600S will be marketed in the United States for use in the Amateur Radio Service. The FCC identifier for the ACOM 600S will be:

Section c.3

A copy of the Installation and Operating Instructions for the ACOM 600S 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 600W PEP or 600W continuous carrier. Lower power linear operation is possible by reducing RF excitation proportionately. An

instantaneous peak-reading bargraph 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 600W PEP or 600W continuous carrier

Section c.8

Nominal voltages and currents at rated output (600W) are:

DC drain voltage: 50V;

DC drain current: 25A;

DC gate bias: 2.8V (adjusted individually for 1.2A idling drain current.)

Section c.9

No need of tune procedure. Acom 600S is ready for operation after switching "operate" mode.

Section c.10

Several features of the ACOM 600S 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 low pass filters provide necessary suppression of the harmonic emissions.

Results of our ACOM 600S performance tests are included in Exhibit 5. RF performance and spurious emissions are generally the similar as that of "ETO91B", "ACOM2000A", "ACOM1000", "ACOM1010", "ACOM1011" and "ACOM1500"

Section c.11

A photograph showing the design of the FCC identification label for the ACOM 600S is included as Exhibit 1.

Section c.12

Photographs showing the construction and layout of the ACOM 600S 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.