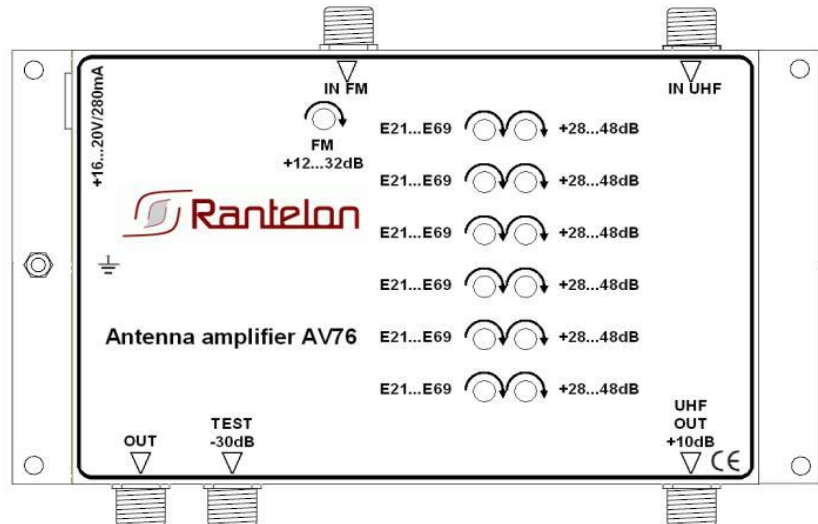


## Universal 6-channel fully adjustable UHF/FM amplifier

Universal adjustable UHF/FM antenna unit AV76/FM is designed for amplification and filtering of TV- and FM-signals in private house or community antenna systems.

### Features:

- 6 independent channels
- Adjustable channel frequency
- Adjustable gain
- High channel selectivity
- Broadband output
- FM-input
- Separated test point
- Suitable for DVB-signals
- Surge protections on all inputs

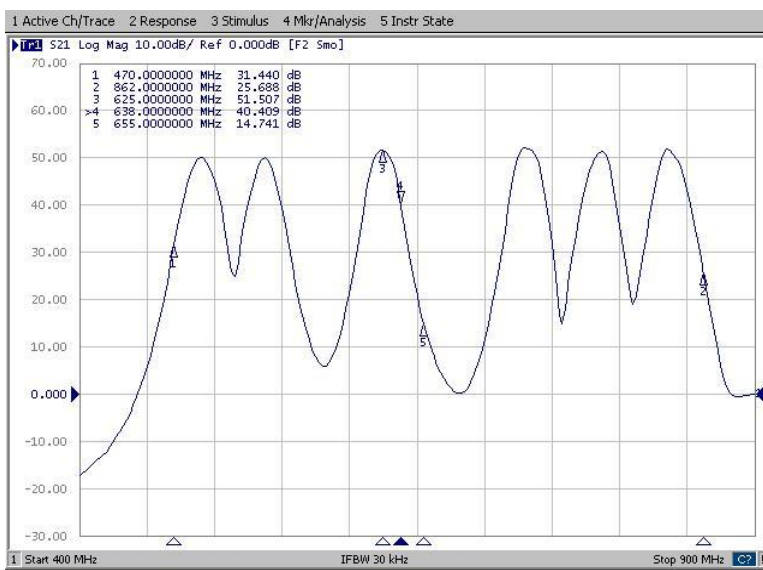


### Product description:

Universal adjustable UHF/FM antenna amplifier AV76/FM gives possibility to use up to 6 selective channels on arbitrary adjustable frequencies in the UHF range (470-862MHz) with separately regulated gain. In case of need UHF broadband output provides a connection of additional amplifier. The signal going out from the broadband output is amplified 10dB. AV76/FM is equipped with separate adjustable gain FM-input. A test point allows measurements of the output signal level leaving main output line connected. All of the inputs are equipped with surge protections. Tuning of AV76/FM is very simple using standard CATV measurement instruments.

### Application areas:

- CATV/MATV networks
- Private house antenna systems

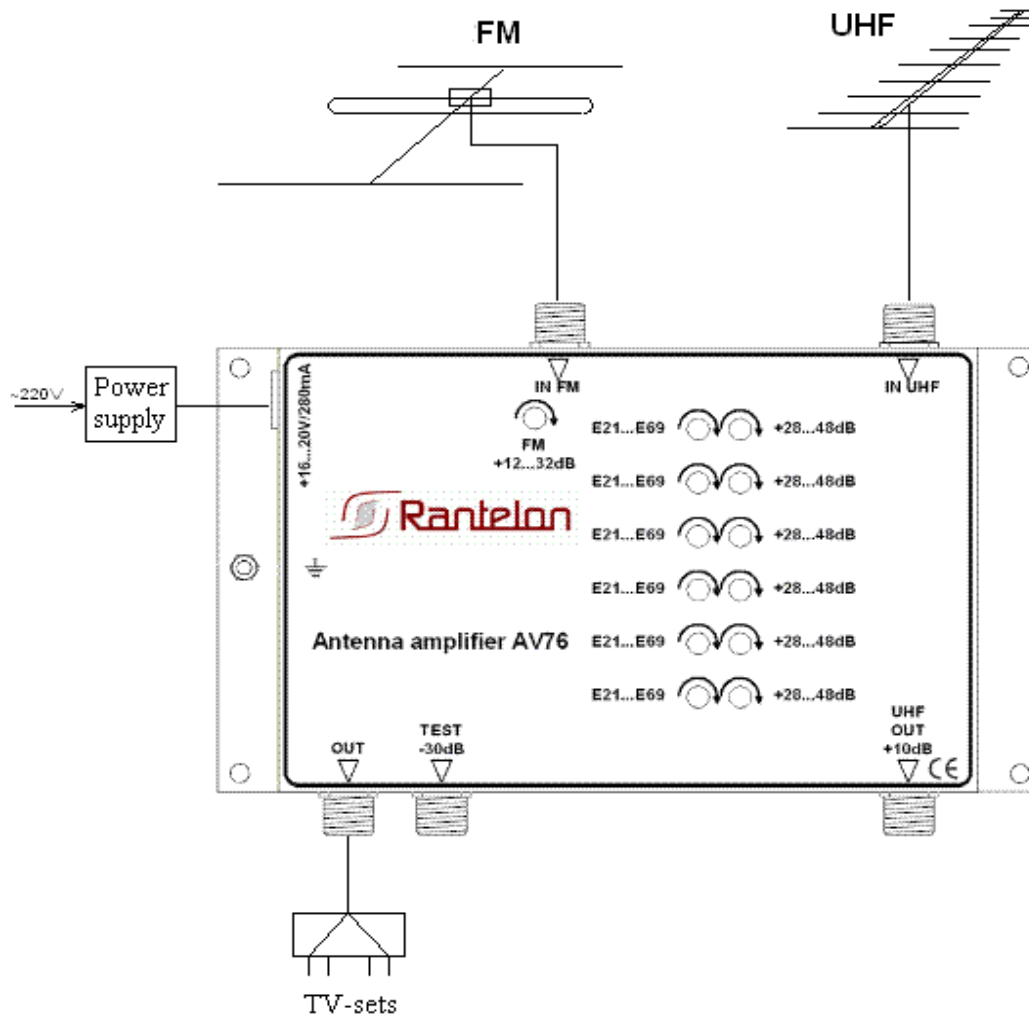


### Technical specifications:

UHF(470-862MHz) channels qt.	6
Frequency adjust range	E21-E69
Gain (UHF)	48dB
Selectivity typ. @+30MHz	-30dB
Gain (FM)	32dB
Gain adjust range	20dB
Noise figure (UHF)	< 3.5dB
UHF broadband output gain	+10dB
Test point	-30dB
Max. output level	110dB $\mu$ V
Power supply	16-20V 280mA

Figure 1. Example of channel selectivity.

AV76/FM installation diagram is shown on the figure 2. Using remote powering option the amplifier can be activated through output connector (see „OUT“). In this case some type of a current injector must be used (e.g. Rantelon BT-1, see [www.rantelon.com](http://www.rantelon.com) for details).



**Figure 2. AV76/FM installation diagram.**