The picture below presents the “analog PC board” of the synthesizer.

The board was designed, assembled, and first electrical tests were made. The next test will be the DDS functional test using direct computer control via parallel interface from the computer side. Then the “digital board” will be designed, assembled and the microcontroller program will be written.

5. Other activities of the RF Group

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The activity of the RF Group was focused mostly on “Chryzolit” RF power stages and its control modules.

- Broken bulbs in meters in “Chryzolit” control panels were replaced by new superbright LEDs.
- Prototype sensors of water leak were installed in the power tube compartment of the “B” generator.
- Phase detector displays with resonator controllers were designed, built and installed in the Control Room.
- The anode power supply rectifier of the “B” generator has been repaired.
- The power AC main switch of the “A” generator has been repaired.
- The filament power supply rectifier of the “A” generator has been repaired.