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INFORMATION REPORT

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COUNTRY Germany (Russian Zone)

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SUBJECT Zentrallaboratorium NFT, Berlin-Köpenick

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THIS IS UNEVALUATED INFORMATION

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[redacted]

1. The department Grossenderbau of NFT Zentrallaboratorium is working on the following orders* and projects:

   a. 20 KW transmitter with the following characteristics: Terminal tube (Endroehre) RS 720, 2 pieces push-pull output (Gegentakt), plate voltage modulation (anodenmoduliert), modulator stage also 2 pieces RS 720 push-pull output (Gegentakt). Wavelengths 100 m - 500 m. Three fixed frequencies through three quartzes but also self-excited for tuning to entire frequency band (selbsterregt ueber ganzes Frequenzband einstellbar).

   b. Two 150 KW transmitters in parallel switching (Parallelschaltung). One transmitter is to be finished by 31 December 1951. Although Dr. Kayser plans four RS 566, this has not yet been decided and other engineers think that two will do, plate voltage modulation (anodenmoduliert), modulator transmitting stage (Modulationsendstufe), also RS 566. Medium wave also with three quartzes but details of this arrangement are also under discussion. The two transmitters will work parallel on one self-oscillating (selbstschwingende) antenna.

   c. One 50 KW shortwave transmitter. Two tubes RS 558 plate voltage modulation (anodenmoduliert), end stage (Endstufe) two RS 558; wavelengths 10 - 100 m. This entire transmitter is still in the early stages of planning.

   d. Another project, a 50 KW shortwave "Doppeleinseitenband" transmitter, is not being worked on at the moment because of lack of qualified personnel.

2. Personnel: Dr. Kayser, formerly with Lorenz Leipzig, friend of Fruehauf; specialty ultrasound.

   Dr. Weber, chief of Section Measuring Instruments (Messgeraeteabteilung), which is building a monitor.

   The Russian engineer Shabanov still visits the department occasionally. There is talk in the shop that he is interested in a new order from SAG Kabel for Section Measuring Instruments (Messgeraeteabteilung).

25X1 [redacted] Comment: All orders are placed by the East German Postal Ministry.

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