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James B. Reeves, Acting Director, Office of Test Operations, SPOO, ATTN: J. T. LEFLER, Chief, Communications, SPOO
Test Director 12 November 1952

RADIO TELEMETERING FREQUENCIES - PROGRAM 28

J-14844

PUBLICLY RELEASABLE
- LANL Classification Group
8/25/96

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JA BROWN F35-16 8/28/96

Program 28, Civil Effects Test Group, will test a "radiation monitoring system using a radio telemetering link for transmission of data." This program is important to AEC Division of Biology and Medicine. Program Director and Project Officer is Mr. R. W. Johnston.

At the present time, equipment is being designed and fabricated by Motorola, Inc., for this program. The equipment will make use of current techniques for selective calling, etc., to gather data via radio from unattended radiation monitoring devices. The program must have wider separation between two VHF frequencies than we usually need for ordinary voice duplex operation.

We discussed last week the frequency conflict between this program and Project 6.9 which also uses radio telemetering. Program 28 has requested use of 171.525 MC and 162.425 MC; these frequencies lie in bands which have been committed for Project 6.9.

One possible solution is in joint use of the frequencies, since Project 6.9 needs use of the frequencies for only one hour at some time between H Hour and H plus 24 Hours. Program 28 may find it possible to forego use of the frequencies for a one hour period between H plus 6 hours and H plus 10 hours. Also, present indications are that Program 28 plans participation on not more than two shots. I am sending copy of this letter to DWET, for information and comment on possibility of negotiation on joint use of 171.525 and 162.425 MC.

However, if we can get temporary authorizations for another pair of frequencies, we may eliminate the conflict. I have talked with Mr. R. W. Johnston, Program 28 Director, and he in turn has talked with Motorola.

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Therefore, I ask you to investigate the possibility of obtaining clearances for use of a frequency just above and near to 160 MC and use of another frequency between 168.925 and 168.990 MC.- Please do this as soon as possible, because Program 28 has asked equipment delivery from Motorola on or before 1 January 1953.

FOR THE TEST DIRECTOR:

B. C. Lyon
B. C. Lyon
Plans and Operations
J-3, J-Division, LASL

ECL:gy

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