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| <i>1000</i> | <i>Seen</i> | <i>WCB 9/6</i> | | | |
| <i>5000</i> | <i>Blakely</i> | <i>9/8/67</i> | | | |
| <i>5100</i> | <i>Seen WCB</i> | <i>9/13/67</i> | | | |
| <i>5600</i> | <i>W. Forrester</i> | <i>9/6/67</i> | | | |
| <i>5614</i> | <i>RDMays</i> | | | | |
| <i>5170</i> | <i>P. B. Wilhelm</i> | <i>9/7/67</i> | | | |
| <i>5604</i> | <i>Stewart</i> | <i>9/6/67</i> | | | |

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Reviewed by
NRL 13426 9/6-67
and
NRL 26913-67
18 SEP 67

9/5/67
Ben Berg ltr to
Dir NRL re 06

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WASHINGTON, D.C.

THE NRO STAFF

5 SEP 1967

MEMORANDUM FOR THE DIRECTOR, NAVAL RESEARCH LABORATORY

SUBJECT: POPPY Mission 7106

Reference: 5600-114:RDM:sr-BYE-26911-67

Subsequent to receipt of your correspondence of July 27, 1967, furnishing additional details of the design plan for Mission 7106 previously requested by the NRO Staff, several informal exchanges between members of your laboratory, the National Security Agency, and the NRO Staff have taken place to discuss changes and resolve remaining questions concerning the design details. I wish to confirm for you the current NRO understanding of these details to be included as design objectives for Mission 7106, as follows:

- (1) The mission satellites will be ready for launch in early June 1968.
- (2) The total weight of the four payloads and associated mounting hardware will be approximately 1100 pounds.
- (3) Complete coverage of the frequency spectrum

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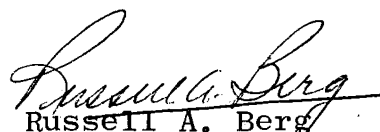
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previous Mission 7105 payloads in view of the simplifications resulting from the modifications discussed above. As you know, your payload weight determines in part the additional passenger payload capabilities which can be planned as secondary and tertiary missions utilizing the same launch booster.

In the light of the impacts which other proposed overhead reconnaissance systems may have upon the totality of our satellite collection efforts, I would appreciate if your organization would present for me and certain members of the NRO Staff a comprehensive review of the POPPY program covering the plans for future missions in context with the previous aims and history of the program. This review should include aspects of spacecraft design, payload design, launch considerations, ground stations, and data processing, with participation of those elements directly concerned with these aspects of the program. I will reserve the afternoon of September 20, 1967 for such a briefing. If you desire any assistance in the arrangements, please contact Mr. [] of the NRO Staff.



Russell A. Berg
Brigadier General, USAF
Director

Attachment
Chart - Freq. Bands

CC: Admiral Fluckey
Director, Program C

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~~TOP SECRET~~Mission 7106 Frequ ands

| <u>Band No.</u> | <u>Payload A</u> | <u>Payload B</u> | <u>Band No.</u> | <u>Payload C</u> | <u>Payload D</u> |
|-----------------|------------------|------------------|-----------------|------------------|------------------|
| (1) | 153-165 | 153-165 | (1) | 153-165 | 153-165 |
| (2) | 165-200 | 165-200 | (2) | 165-200 | 165-200 |
| (3) | 200-240 | 200-240 | (3) | 200-240 | 200-240 |
| | | | (4) | 240-350 | 240-350 |
| (4) | 350-450 | 350-450 | | | |
| (5) | 450-550 | 450-550 | (5) | () | () |
| (6) | 550-650 | 550-650* | (6) | 550-650 | 550-650 |
| (7) | 650-820 | 650-820* | (7) | 650-820 | 650-820 |
| (8) | 820-920 | 820-920* | (8) | 820-920 | 820-920 |
| (9) | 920-1080 | 920-1080 | | | |
| (10) | | | (9) | 1080-1350 | 1080-1350 |
| | | | (10) | 1350-1800 | 1350-1800 |
| (11) | 1800-2100 | 1800-2100 | (11) | 1800-2100 | 1800-2100 |
| (12) | 2100-2580 | 2100-2580 | (12) | 2100-2580 | 2100-2580 |
| (13) | 2580-2680 | 2580-2680 | (13) | 2580-2680 | 2580-2680 |
| (14) | 2680-2930 | 2680-2930 | (14) | 2680-2930 | 2680-2930 |
| (15) | 2930-3120 | 2930-3120 | (15) | 2930-3120 | 2930-3120 |
| (16) | 3120-3300 | 3120-3300 | (16) | 3120-3300 | 3120-3300 |
| (17) | 3300-3600 | 3300-3600 | (17) | 3600-4050 | 3600-4050 |
| (18) | 5250-5850 | 5250-5850 | (18) | 4050-4800 | 4050-4800 |
| (19) | 5850-6700 | 5850-6700 | (19) | 4800-5250 | 4800-5250 |
| (20) | 8600-9340 | 8600-9340 | (20) | 6700-7900 | 6700-7900 |
| (21) | 9340-9500 | 9340-9500 | (21) | 7900-8600 | 7900-8600 |
| (22) | 9500-10000 | 9500-10000 | (22) | 14.8-15.1 | |

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