

<u>CHANNEL NUMBER</u>	<u>SELECT</u>	<u>FREQUENCY (MHz)</u>
1	JI-1	1216.00
2	2	1225.28
3	3	1244.00
4	4	1258.40
5	5	1275.20
6	6	1294.40
7	7	1308.32
8	8	1324.96
9	9	1341.44
10	10	1358.40
11	11	1374.72
12	12	1392.00

EXHIBIT 1

BANDWIDTH CALCULATIONS:

A. D BAND RADAR

$$B=1.79/(\text{sqrt}(t_r*t_t))=2.22 \text{ MHz}$$

$$t_r= 0.2 \text{ usec}$$

$$t_t= 6.5 \text{ usec}$$

B. IFF

$$B=1.79/(\text{sqrt}(t_r*t_t))= 6.33 \text{ MHz}$$

$$t_r= 0.1 \text{ usec}$$

$$t_t= 0.8 \text{ usec}$$

C. COMMUNICATION (AN/VRC-46)

$$B=2M+2DK$$

$$K=1$$

$$D= 10 \text{ KHz}$$

VOICE

$$M=3\text{KHz}$$

$$B=2M+2DK=26 \text{ KHz}$$

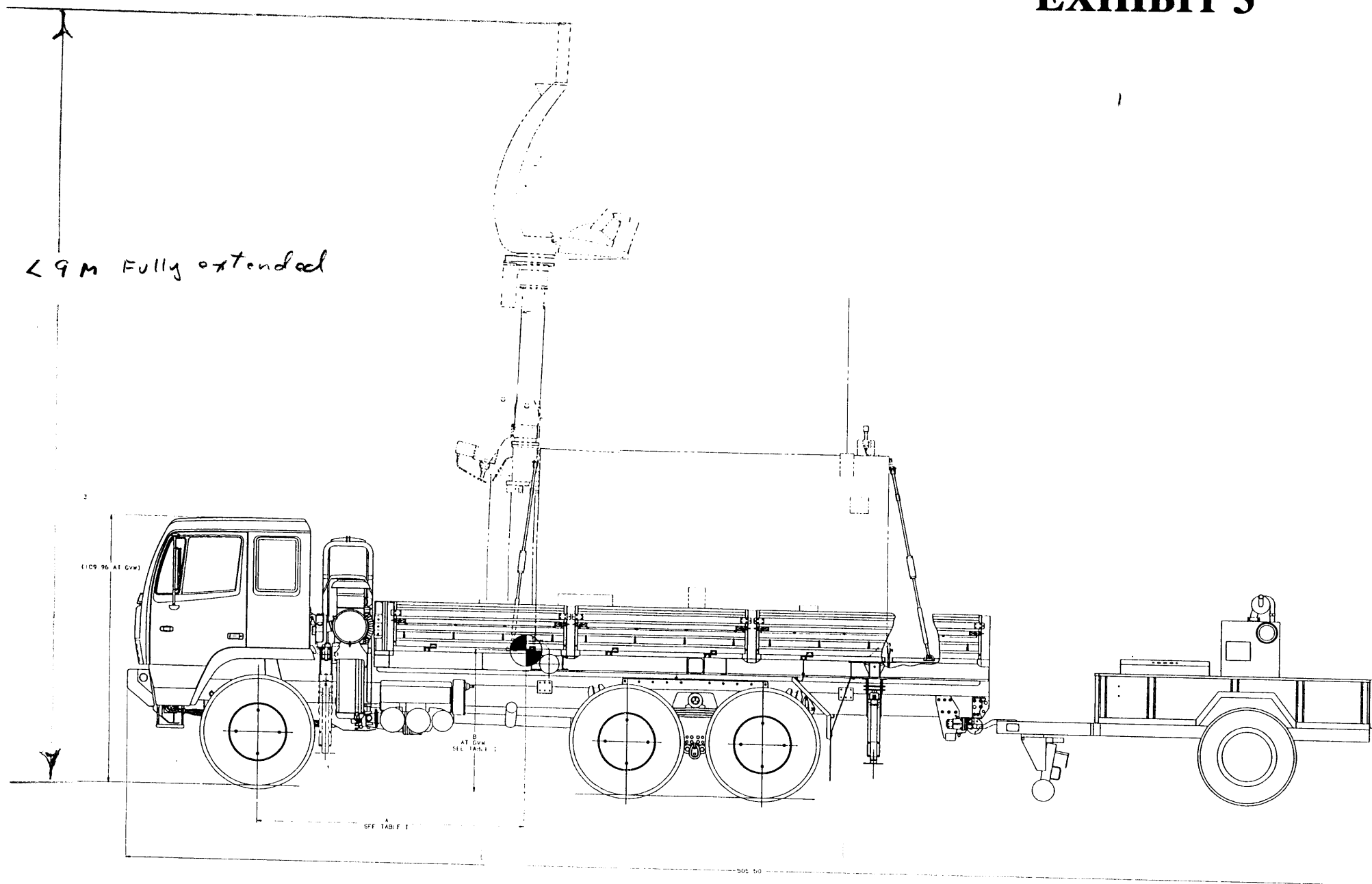
DATA

$$M=4.8\text{KHz}$$

$$B=2M+2DK=29.6 \text{ KHz}$$

EXHIBIT 2

EXHIBIT 3



Attachment C

This system is being developed and tested to meet current contract obligations with the government of Thailand. We are operating under the contract number 149/2539 of the Royal Thai Army. This is for THAILAADS, which is a mobile low altitude air defense radar system.

*Applicant dropped request for fraps in
53-75.95 Band. Telcom w/ Charles Murdock 2/4/98.
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