

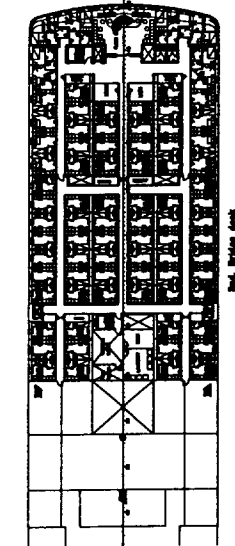
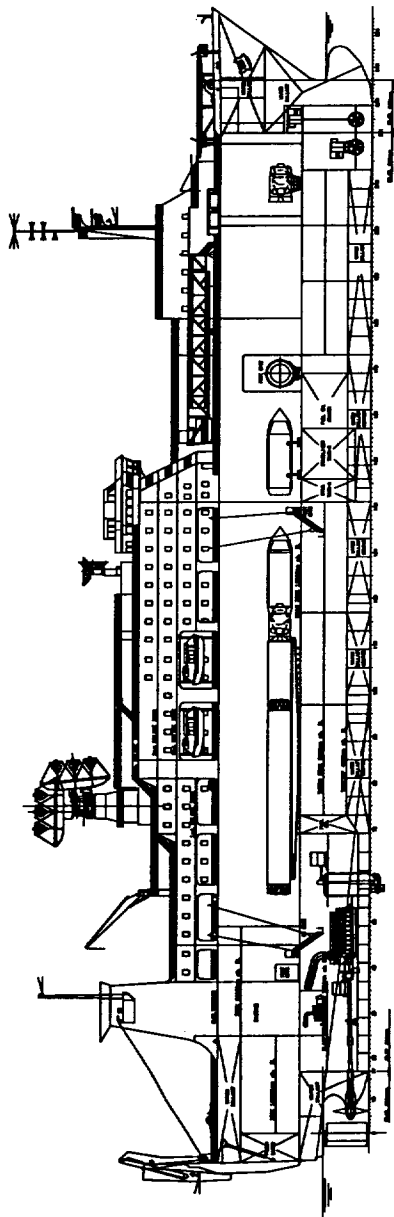
Exhibit 1

$$\begin{array}{l} \text{20W} \\ 13 \text{ dBW} + 30 \text{ dB} = 43 \text{ dBW} \\ \text{20 kW} \end{array}$$

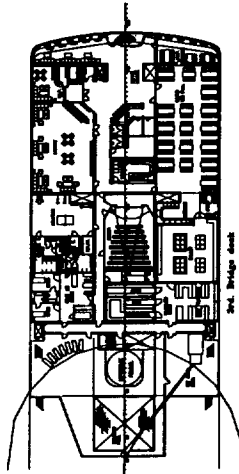
768.97 MHz is the ground to launch vehicle command link to the upper stage of the launch vehicle (called Block DM) and is also used as a phase lock link for computing position during flight. In home port they want to do some of the testing inside the hold "closed loop" for up to 6 hours, radiation w/antenna still inside the hold with a 30dB gain parabolic dish for 20 to 30 seconds 2-3 times 5-6 times a year. They also want to transmit from the ship to the 34 meter tower located 330 meters from the ship (ACS).

922.76 MHz is a "status" and command reply link from the launch vehicle to the ship. In home port they want to do some of the testing inside the hold "closed loop" for up to 6 hours, radiation w/antenna (4.77dB gain, 3 watts) still inside the hold for 20 to 30 seconds 2-3 times 5-6 times a year. They also want to transmit from a 34 meter tower located 330 meters to the command ship (see attached map) using a signal generator with 0.01 watts of power and an 11dB gain antenna beamed directly towards the ship. The field strength at 1 Km is predicted to be <0.0002 v/m.

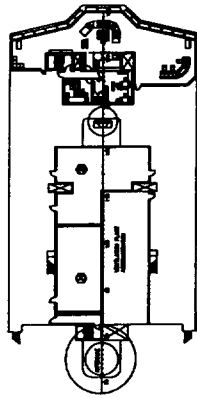
$$126 \text{ W (exp)}$$



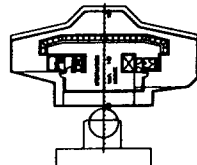
2nd Bridge Deck



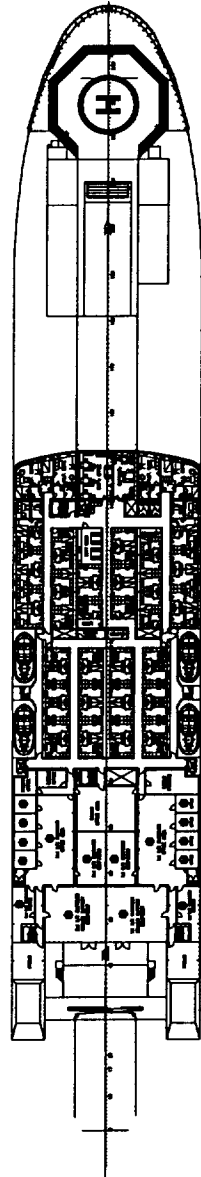
3rd Bridge Deck



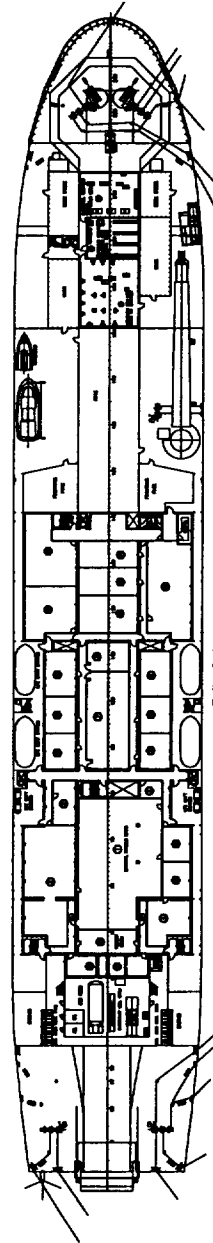
4th Bridge Deck



5th Bridge Deck



1st Bridge Deck / Top View



Bulwark Deck

LENGTH OVER ALL 414.000 m
 LENGTH BWT. PP. 108.00 m
 BREADTH MLD. 24.00 m
 DEPTH MAIN DECK 18.00 m
 DEPTH BULWARK DECK 06.00 m

NO.	NAME	DATE	REVISION
1	DESIGN	1970	1
2	CONSTRUCTION	1971	1
3	OPERATION	1972	1
4	MAINTENANCE	1973	1
5	REPAIR	1974	1
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