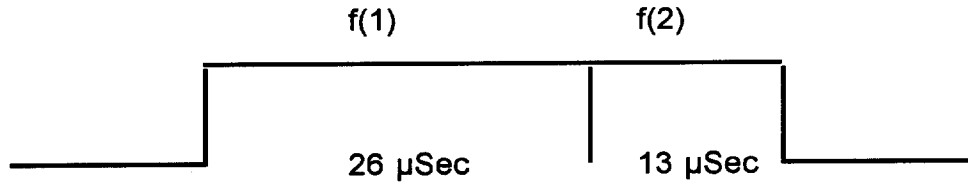


EXHIBIT 1
Ref: FCC Form 442 Item 4a

AN/TPS-63 RADAR CENTER FREQUENCIES				
CH.	FREQ. (MHZ)	CH.	FREQ	DUAL FREQ. CHANNEL
1	1250.000	31	1310.000	1
2	1252.000	32	1312.000	2
3	1254.000	33	1314.000	3
4	1256.000	34	1316.000	4
5	1258.000	35	1318.000	5
6	1260.000	36	1320.000	6
7	1262.000	37	1322.000	7
8	1264.000	38	1324.000	8
9	1266.000	39	1326.000	9
10	1268.000	40	1328.000	10
11	1270.000	41	1330.000	11
12	1272.000	42	1332.000	12
13	1274.000	43	1334.000	13
14	1276.000	44	1336.000	14
15	1278.000	45	1338.000	15
16	1280.000	46	1340.000	16
17	1282.000	47	1342.000	17
18	1284.000	48	1344.000	18
19	1286.000	49	1346.000	19
20	1288.000	50	1348.000	20
21	1290.000	51	1350.000	21
22	1292.000			
23	1294.000			
24	1296.000			
25	1298.000			
26	1300.000			
27	1302.000			
28	1304.000			
29	1306.000			
30	1308.000			

EXHIBIT 1 (CONT)
Ref: FCC Form 442 Item 4e

AN/TPS-63 PULSE EMISSION CHARACTERISTICS



In dual frequency mode f(1) and f(2) are transmitted as shown above and are internally phase modulated at 1 μ Sec intervals in steps of 0, 90, 180, and 270 degrees about the carrier in a predetermined periodic sequence. In single frequency mode f(1) is transmitted for 13 μ Sec in the low power or 26 μ Sec in the high power setting.

The Pulse Repetition Frequency is variable according to the following table.

<u>Count</u>	<u>Short Range</u> <u>PRE</u>	<u>Medium Range</u> <u>PRE</u>	<u>Long Range</u> <u>PRE</u>
1	739.6	493.0	369.8
2	946.9	631.3	473.4
3	722.0	481.2	361.0
4	924.2	462.1	462.1
5	704.2	469.4	352.1
6	901.7	450.8	450.8
7	687.2	458.0	343.6
8	879.5	586.1	439.7
9	670.2	446.8	335.1
10	857.6	571.7	428.8
11	654.0	435.9	327.0
12	836.8	557.7	418.4
13	638.1	425.3	319.0
14	816.3	544.0	408.1
15	622.6	415.1	311.3
16	796.8	531.0	398.4
17	607.5	405.0	303.7
18	777.6	518.4	388.8
19	592.4	394.9	296.2
20	758.1	505.3	379.0
21	970.8	647.2	485.4

EXHIBIT 2

Ref: FCC Form 442 Item 4a

AN/TPS-70 RADAR CENTER FREQUENCIES

The AN/TPS-70 tactical radar is capable of transmitting on 64 distinct center frequencies using 4 groups of 16 channels each. The PRF used for this application is 257 PPS.

CHANNEL	GROUP 1	GROUP 2	GROUP 3	GROUP 4
01	2900 (MHz)	2903	2906	2909
02	2912	2914	2917	2920
03	2924	2926	2929	2932
04	2936	2938	2941	2944
05	2948	2950	2953	2956
06	2960	2962	2966	2969
07	2972	2975	2978	2981
08	2984	2987	2991	2994
09	2997	3000	3003	3007
10	3010	3013	3016	3020
11	3023	3026	3029	3032
12	3036	3039	3043	3045
13	3049	3052	3056	3059
14	3062	3066	3069	3072
15	3076	3080	3083	3086
16	3090	3093	3096	3100

EXHIBIT 3

Ref: FCC FORM 442

ITEM 10

The enclosed application has been submitted to allow burn-in and final acceptance testing of production AN/TPS-63 and AN/TPS-70 radar systems equipped with AN/UPX-27 interrogators. A request for frequency coordination has been sent to the FAA Southeast Region office.

EXHIBIT 4
Ref: FCC FORM 442
ITEM 12

This application is excluded from environmental processing. The transmitting facility is not located in an area specified in Section 1.1307(a)(1) through (7) of the Commission's rules and does not utilize high intensity lighting so as to be subject to environmental analysis under Section 1.1307(a)(8).

The facility complies with the Commission's Radio Frequency Protection Guidelines specified in Section 1.1307(b) of the Commission's rules. Through the use of fencing and appropriate warning signs, public access to any area in the vicinity of the facility in which the level of radio frequency radiation exceeds ANSI C95.1-1982 guidelines is restricted. Additionally, a procedure is in place restricting worker access to the potential exposure area during transmissions through the use of visible and audible warning devices.