Exhibit 1

FREQUENCIES KHz	OUTPUT POWER300W		EMISSION DESIGNATOR 115KV1D	
*2398	#*5760	*9350	#*16060	*24460
*2810	#*6060	#*10200	#*16160	*25230
PN3171	#*6160	#*10400	*17450	*26490
*3260	*6770	#*10600	*18040	*26910
*4050	*6970	#*10800	*18610	*27440
PN4576	*7410	*11550	*19460	*27990
PN4611	PN7483	*12090	*20460	*29720
PN4636	*7650	*13850	*20960	
*4950	PN7698	*14550	*21860	
PN5069	*7990	#*15760	*22860	
PN5100	*8060	#*15860	*23160	
PN5315	*9050	#*15960	*23460	

FREQUENCIES KHz	OUTPUT POWER300W		EMISSION DESIGNATOR 7K00V1D
#25230	#35970	#44510	#66000
#27440	#37030	#45010	#72630
#29720	#37510	#45510	#75950
#30590	#37970	#46010	#82000
#31010	#39030	#46510	#88000
#31510	#39510	#47030	
#31970	#39970	#47510	
#33030	#42030	#48010	
#33510	#42510	#48510	
#33970	#43010	#49010	
#35050	#43500	#49510	
#35500	#44010	#60000	

NOTE: Mobile station KOX2GS power 300W.ERP.
Fixed stations KM2XLB and KM2XLC power 3000W.ERP (10dB gain ant. used).

PN Listed in FCC Public Notice August 3, 1988, available for Part 90 long distance communications.

* Currently authorized KB2XAX Cedar Rapids, IA for other emissions.
\# Currently authorized KM2XLB, KM2XLC, KO2XBR, KO2XGS Cedar Rapids, IA, Richardson, TX, San Francisco to Los Angeles and Boston to Washington, DC.

Exhibit 2

The applicant, Rockwell International Corporation, plans to modify the existing experimental program covered by experimental licenses KM2XLB Cedar Rapids, IA, KM2XLC Richardson, TX and KO2XGS Mobile, Washington, DC to Boston, Mass., by adding frequencies in the HF band 2 to 30MHz, including emission designator 115KV1D on frequencies in the hand 25 to 30 MHz, as well as emission designator 7K00V1D, and expanding the geographical area covered by the Mobile Operations to include the continental United States, and to change the antenna employed by the Mobile Station.

The test results continue to be encouraging and warrant further expansion, including demonstration to potential government agency customers throughout the United States.

Additional frequencies are required in the HF band 2 to 30MHz to fill gaps in the present compliment for propagation reasons to fully test and demonstrate the frequency hopping technique over the communications paths involved in the program. The frequencies proposed are currently used in another Rockwell program (KB2XAX Cedar Rapids, IA), or are selected from the Commission's Public Notice of August 3, 1988, frequencies available for Part 90 long distance communications. The very brief duration of the test signals along with careful pulse shaping to minimize interference are expected to result in no harmful interference to other operations. None has been experienced to date.

The antenna to be used at the Mobile Station will be changed to a transportable broad-band di-pole of 40' height (10M), with supports that can be quickly errected or dismantled.