

NORTHROP GRUMMAN SYSTEMS CORPORATION

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August 1, 2005

Federal Communications Commission
Experimental Radio Services
P.O. Box 358320
Pittsburgh, PA 15251-5320

Dear Sir or Madam:

Northrop Grumman Systems Corporation ("Northrop Grumman") hereby requests a 180-day grant of Special Temporary Authority ("STA") to operate a fixed base and mobile experimental radio facilities within a 3 km radius around 7040 Troy Hill Drive, Elkridge (Howard County), Maryland (NAD-83 coordinates: 39-45-53 North; 076-45-14 West), which has an elevation of 76 m ASL.

Northrop Grumman has been contracted to develop and test a radio communications system for sale to the Runitel Police, Aleries, Algeria (Contract No. JSY1002-SUB-001-0-04). Northrop Grumman respectfully requests grant of the STA in time to commerce testing of the experimental radio communications system on November 1, 2005.

The experimental transmissions at the location specified above will involve:

- (1) a Motorola Enhanced Base Transceiver System, model EBTS, that will produce 25 Watts while operating in the 450-470 MHz band, with a bandwidth of 25 kHz, and an emission designator of 25K0F3E;
- (2) a Motorola Mini Base Transceiver System, model MBTS, that will produce 25 Watts while operating in the 450-470 MHz band, with a bandwidth of 25 kHz, and an emission designator of 25K0F3E;
- (3) Two Motorola Mobile Radios, model MTM800, that will produce 3 Watts while operating in the 450-470 MHz band, with a bandwidth of 25 kHz, and an emission designator of 25K0F3E; and
- (4) Two Motorola Handheld Radios, model MTH800, that will produce 1 Watt while operating in the 450-470 MHz band, with a bandwidth of 25 kHz, and an emission designator of 25K0F3E.

Specifically, Northrop Grumman requests use of any six of the following frequency pairs within the 450 to 470 MHz range:

1	450	460
2	450.025	460.025
3	450.05	460.05
4	450.075	460.075
5	450.1	460.1
6	450.15	460.15
7	450.175	460.175
8	450.2	460.2
9	450.225	460.225
10	450.25	460.25
11	450.275	460.275
12	450.3	460.3
13	450.325	460.325
14	450.35	460.35
15	450.375	460.375
16	450.4	460.4
17	450.425	460.425
18	450.475	460.475
19	450.5	460.5
20	450.525	460.525
21	450.55	460.55
22	450.575	460.575
23	450.6	460.6
24	450.625	460.625
25	450.65	460.65
26	450.675	460.675
27	450.725	460.725
28	450.75	460.75
29	450.775	460.775
30	450.8	460.8
31	450.825	460.825
32	450.85	460.85
33	450.875	460.875
34	450.925	460.925
35	450.95	460.95
36	450.975	460.975
37	452.1	462.1
38	452.3	462.3

Northrop Grumman will coordinate with incumbent licensees of the spectrum prior to operating to prevent any harmful interference, and will terminate operations if harmful interference does occur.

I certify that I am an authorized employee of Northrop Grumman Systems Corporation.

Respectfully submitted,
NORTHROP GRUMMAN SYSTEMS CORPORATION

By: \s\ Jan E. Sochurek.
Jan E. Sochurek
Spectrum Licensing Specialist