

EXHIBIT 1

FREQUENCY (A) (kHz)	POWER (B)	POWER (C)	POWER (D)	EMISSION (E)	MODULATING SIGNAL (F)	NECESSARY BANDWIDTH (G)
1790	100 watts	100 watts	PEAK	F1D	9600 baud	16 kHz
3490	100 watts	100 watts	PEAK	F1D	9600 baud	16 kHz
6990	100 watts	100 watts	PEAK	F1D	9600 baud	16 kHz
10160	100 watts	100 watts	PEAK	F1D	9600 baud	16 kHz
13990	100 watts	100 watts	PEAK	F1D	9600 baud	16 kHz
14360	100 watts	100 watts	PEAK	F1D	9600 baud	16 kHz
18178	100 watts	100 watts	PEAK	F1D	9600 baud	16 kHz
20990	100 watts	100 watts	PEAK	F1D	9600 baud	16 kHz
24880	100 watts	100 watts	PEAK	F1D	9600 baud	16 kHz
27990	100 watts	100 watts	PEAK	F1D	9600 baud	16 kHz
29710	100 watts	100 watts	PEAK	F1D	9600 baud	16 kHz

EXHIBIT 2

- (a) The complete program of research and experimentation proposed including description of equipment and theory of operation.

Agilent Technologies E3238S Signals Development System uses a wide-band stepped FFT technique to detect and collect signals of interest. In order to develop and test this product we need to be able to transmit signals and The purpose of this Experimental Radio Service Application is to obtain authorization to transmit modulated digital signals and attempt to detect and collect these signals with the E3238S system.

- (b) The specific objectives sought to be accomplished.

We will modulate a bit stream using a particular modulator to produce an AF signal suitable for a voice grade channel (VGC). We will then use a transmitter to transmit this signal on one of the frequencies listed in Exhibit 1. The E3238S system will attempt to detect and collect the transmitted signal.

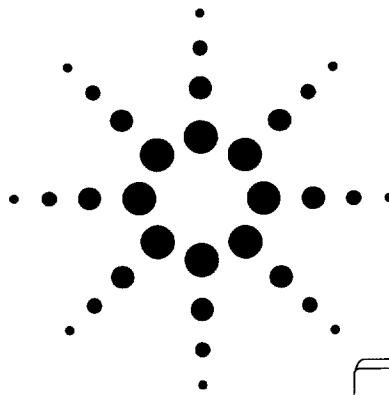
This procedure will enable us to test and develop the capabilities of the E3238S system.

- (c) How the program of experimentation has a reasonable promise of contribution to the development, extension, expansion, or utilization of the radio art, or is along line not already investigated.

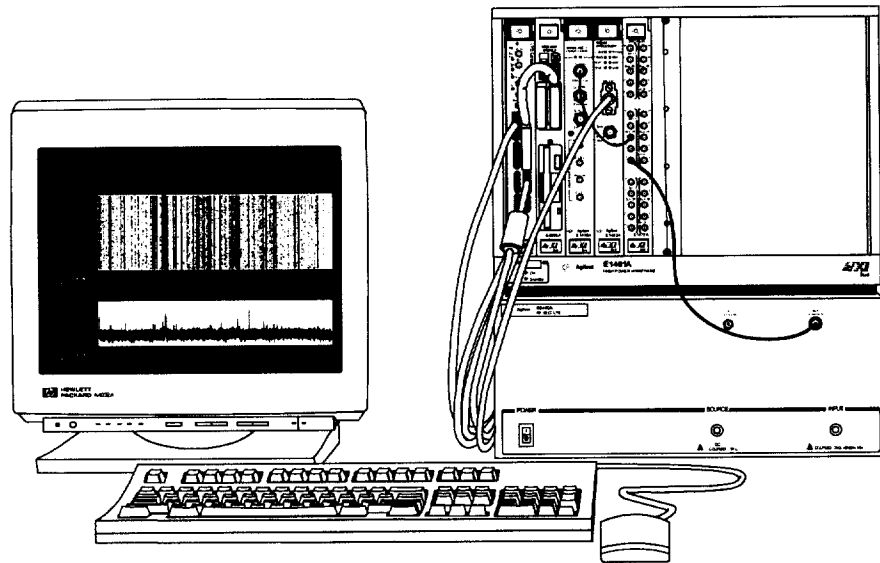
Agilent Technologies is a solutions provider for the Department of Defense. This experimentation will enable Agilent to produce a high-quality product that bolsters the security of the United States of America.

Agilent E3238 Signals Development System

Technical Specifications



• **HF, VHF/UHF, and
μWave Configurations**



Performance

The Agilent E3238 is designed to quickly locate elusive signals. E3238's fast sweep rate and high dynamic range significantly increase the probability of intercept. With the E3238, searches produce more hits quickly and efficiently.

Automation

The E3238 system automates common tasks so an operator can focus on more complex operations, work faster and accomplish more. It allows highly skilled operators to automate functions for less skilled operators. The system can even run unattended.

Adaptability

Optional user-programming software can be used to customize the E3238. Searches can be optimized to capture the signals of interest while disregarding extraneous signals. Displays can also be customized to increase productivity.

Integration

The E3238 can integrate with legacy systems and hand-off receivers. LAN, GP-IB, RS-232, or the VXI backplane can be used to communicate with other hardware. HP-UX and Windows NT® sockets provide fast communication between software processes, even from remote locations.



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