

MODULATING SIGNAL DESCRIPTION

To Whom It May Concern:

Mustang Technology Group, LP will use this FCC experimental license to test radar prototypes which are being developed under contract number N00014-07-C-0068 for the Office of Naval Research (ONR) of the United States Navy. The name of the project is MTI Scout. During testing, the radar prototypes will transmit waveforms with the characteristics listed in Table 1.

Table 1 – Nominal Waveform Characteristics			
Parameter	Waveform A	Waveform B	Waveform C
Modulation Type	Non-Linear Frequency	Linear Frequency	No Modulation
Duty Cycle	15%	15%	0.4%
Pulse Repetition Freq	2500 Hz	2500 Hz	4000 Hz
Center Frequency	5550 MHz	5550 MHz	5550 MHz
Bandwidth	18 MHz	180 MHz	1 MHz
Transmit Pulsewidth	60 μ sec	60 μ sec	1 μ sec

Questions regarding the content of this attachment can be directed to:

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