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Application Narrative for Explanation of Use

Per the application of the New Form 442 section 7, below are the narrative statement exhibits in detail:

a. Proposed Use

Blackbird Technologies is the Original Equipment Manufacturer (OEM) of several GPS devices used by the US federal government, military branches and other federal agencies. Within our building we are unable to receive the GPS satellite signals due to shielding from metal walls and window film. We propose to install GPS re-radiating equipment in our training room and test and development laboratory to allow reception of the L1 GPS signals.

The GPS re-radiating equipment will be supplied by GPS Networking (710A W. 4th St., Pueblo, CO 81003).

GPS Repeater Equipment Part Numbers:

L1GPSA-N	Roof Antenna, L1 GPS 38dB LNA
NALDCBS1X2	Network Amplified Splitter
MLA20RDCB	Line Amp 20dB Gain
L1RRKPA-S	Antenna, Passive Retransmit Antenna
LMR400	Coax Cable, LMR400
LMR240	Coax Cable, LMR240

b. Objectives

1. Provide indoor GPS re-radiation at our indoor training room;
2. Provide indoor GPS re-radiation at our engineering laboratory for design, test, and troubleshooting new and existing equipment;

c. Contribution to the Radio Art

Blackbird Technologies is developing improved GPS devices with enhanced accuracy, greater efficiency, and smaller size.