



**STATE OF CONNECTICUT
DEPARTMENT OF
EMERGENCY SERVICES AND PUBLIC PROTECTION
DIVISION OF SCIENTIFIC SERVICES**



Guy M. Vallaro, Ph.D
Division Director

FIREARMS UNIT

Laboratory Case #: DSS-20-001805 **Submitting Agency:** CSP - Western District Major Crime
Agency Case #: CFS2000146635 452-B Bantam Road
Town of Incident: Manchester Litchfield, CT 06759
Date of Request: 05/01/2020
Date of Report: 06/04/2020
Report To: Det. Matthew Reilly #: 310

EVIDENCE SUBMITTED:

- 003. #0005 Envelope with "(1) casing"
- 004. #0006 Envelope with "(1) casing"
- 005. #0007 Envelope with "(1) casing"
- 006. #0008 Envelope with "(1) casing"
- 007. #0009 Envelope with "(1) casing"
- 008. #0010 Envelope with "(1) casing"
- 009. #0011 Envelope with "(1) casing"
- 010. #0012 Envelope with "(1) casing"
- 011. #0013 Envelope with "(1) casing"
- 012. #0014 Envelope with "(1) casing"
- 013. #0015 Envelope with "(1) casing"
- 014. #0041 Box with "Stag Arms rifle, Eotech optic, magnifier, rounds"
- 015. #0050 Box with "G+A Precision Winchester rifle, scope, bipod, mag, rounds"
- 016. #0057 Box with "Stag Arms rifle, Vortex scope, flashlight, laser, rounds"
- 017. #0065 Box with "Stag Arms rifle, Eotech sight, magnifier, laser, rounds, mag"

SUBMISSION DESCRIPTION:

- Submission #:** 003. #0005 Envelope with "(1) casing"
One (1) fired .223 Remington cartridge case marketed by Winchester
- Submission #:** 004. #0006 Envelope with "(1) casing"
One (1) fired .223 Remington cartridge case marketed by Federal
- Submission #:** 005. #0007 Envelope with "(1) casing"
One (1) fired .223 Remington cartridge case marketed by Federal
- Submission #:** 006. #0008 Envelope with "(1) casing"
One (1) fired .223 Remington cartridge case marketed by Winchester
- Submission #:** 007. #0009 Envelope with "(1) casing"
One (1) fired .223 Remington cartridge case marketed by Federal
- Submission #:** 008. #0010 Envelope with "(1) casing"
One (1) fired .308 Winchester cartridge case marketed by Federal
- Submission #:** 009. #0011 Envelope with "(1) casing"
One (1) fired .223 Remington cartridge case marketed by Winchester
- Submission #:** 010. #0012 Envelope with "(1) casing"
One (1) fired .223 Remington cartridge case marketed by Winchester
- Submission #:** 011. #0013 Envelope with "(1) casing"
One (1) fired .223 Remington cartridge case marketed by Winchester

Report Continued

SUBMISSION DESCRIPTION (Continued):

- Submission #:** 012. #0014 Envelope with "(1) casing"
One (1) fired .223 Remington cartridge case marketed by Winchester
- Submission #:** 013. #0015 Envelope with "(1) casing"
One (1) fired .223 Remington cartridge case marketed by Winchester
- Submission #:** 014. #0041 Box with "Stag Arms rifle, Eotech optic, magnifier, rounds"
One (1) 5.56 mm/.223 Remington Stag Arms rifle, model Stag-15, serial number Y432233
One (1) detachable box magazine containing twenty-four (24) .223 Remington cartridges marketed by Winchester
One (1) .223 Remington cartridge marketed by Winchester
- Submission #:** 015. #0050 Box with "G+A Precision Winchester rifle, scope, bipod, mag, rounds"
One (1) .308 Winchester G.A. Precision rifle, model FBI HRT, serial number HRT159
One (1) detachable box magazine containing three (3) .308 Winchester cartridges marketed by Federal
One (1) .308 Winchester cartridge marketed by Federal
- Submission #:** 016. #0057 Box with "Stag Arms rifle, Vortex scope, flashlight, laser, rounds"
One (1) 5.56 mm/.223 Remington Stag Arms rifle, model Stag-15, serial number 221146
One (1) detachable box magazine containing twenty-six (26) .223 Remington cartridges marketed by Winchester
One (1) .223 Remington cartridge marketed by Winchester
- Submission #:** 017. #0065 Box with "Stag Arms rifle, Eotech sight, magnifier, laser, rounds, mag"
One (1) 5.56 mm/.223 Remington Stag Arms rifle, model Stag-15, serial number 325021
One (1) detachable box magazine containing twenty-eight (28) .223 Remington cartridges marketed by Winchester
One (1) .223 Remington cartridge marketed by Winchester

RESULTS OF OPERABILITY EXAMINATION :

Submission #: 014 #0041 Box with "Stag Arms rifle, Eotech optic, magnifier, rounds"

Manufacturer of Firearm: Stag Arms	Model: Stag-15	Caliber: 5.56mm/223 Rem
Type of Firearm: Semi-Automatic Rifle	Type of Action: Gas	Serial Number: Y432233
Barrel Length* (+/- 1/8"): 13 13/32"	Overall Length* (+/- 1/8"): 29"	Capacity: 30 + 1
Firearm operational: Yes	Tests on File: 6	NIBIN Entry: No

*Measurement Uncertainty equals +/- 1/8" with a coverage probability of 95.45%.

Submission #: 015 #0050 Box with "G+A Precision Winchester rifle, scope, bipod, mag, rounds"

Manufacturer of Firearm: G. A. Precision	Model: FBI HRT	Caliber: .308 Winchester
Type of Firearm: Rifle Bolt Action	Type of Action: Manual	Serial Number: HRT159
Barrel Length* (+/- 1/8"): 30 19/32"	Overall Length* (+/- 1/8"): > 36"	Capacity: 5 + 1
Firearm operational: Yes	Tests on File: 4	NIBIN Entry: No

*Measurement Uncertainty equals +/- 1/8" with a coverage probability of 95.45%.

Submission #: 016 #0057 Box with "Stag Arms rifle, Vortex scope, flashlight, laser, rounds"

Manufacturer of Firearm: Stag Arms	Model: Stag-15	Caliber: 5.56mm/223 Rem
Type of Firearm: Semi-Automatic Rifle	Type of Action: Gas	Serial Number: 221146
Barrel Length* (+/- 1/8"): 17 3/8"	Overall Length* (+/- 1/8"): 34 5/16"	Capacity: 30+ 1

Report Continued

RESULTS OF OPERABILITY EXAMINATION (Continued) :

Firearm operational : Yes Tests on File: 6 NIBIN Entry: No

*Measurement Uncertainty equals +/- 1/8" with a coverage probability of 95.45%.

Submission #: 017 #0065 Box with "Stag Arms rifle, Eotech sight, magnifier, laser, rounds, mag"

Manufacturer of Firearm: **Stag Arms** Model: **Stag-15** Caliber: **5.56mm/223 Rem**
Type of Firearm: **Semi-Automatic Rifle** Type of Action: **Gas** Serial Number: **325021**
Barrel Length* (+/- 1/8"): **12 25/32"** Overall Length* (+/- 1/8"): **28 1/2"** Capacity: **32 + 1**
Firearm operational : **Yes** Tests on File: **8** NIBIN Entry: **No**

*Measurement Uncertainty equals +/- 1/8" with a coverage probability of 95.45%.

RESULTS OF EXAMINATION:

Note: For the firearms listed above, the barrel length includes the suppressor.

Submission 014 rifle was examined and test fired using the submitted magazine and ammunition from the laboratory stock. Submission 014 rifle operated without malfunction.

Submission 015 rifle was examined and test fired using the submitted magazine and ammunition from the laboratory stock. Submission 015 rifle operated without malfunction.

Submission 016 rifle was examined and test fired using the submitted magazine and ammunition from the laboratory stock. Submission 016 rifle operated without malfunction.

Submission 017 rifle was examined and test fired using the submitted magazine and ammunition from the laboratory stock. Submission 017 rifle operated without malfunction.

Submissions 003 through 007 and 009 through 013 fired cartridge cases were microscopically compared. Submissions 003, 006 and 009 fired cartridge cases were identified as having been fired in the same firearm. Submissions 004, 005 and 007 fired cartridge cases were identified as having been fired in the same firearm. Submissions 010 through 013 fired cartridge cases were identified as having been fired in the same firearm.

Submissions 003 through 007 and 009 through 013 fired cartridge cases were microscopically compared to test fires from submissions 014, 016 and 017. Submissions 003, 006 and 009 fired cartridge cases were identified as having been fired in the submission 014 rifle (5.56 mm/.223 Remington Stag Arms rifle, model STAG-15, serial number Y432233). Submissions 004, 005 and 007 fired cartridge cases were identified as having been fired in the submission 017 rifle (5.56 mm/.223 Remington Stag Arms rifle, model STAG-15, serial number 325021). Submissions 010 through 013 fired cartridge cases were identified as having been fired in the submission 016 rifle (5.56 mm/.223 Remington Stag Arms rifle, model STAG-15, serial number 221146).

Submission 008 fired cartridge case was microscopically compared to test fires from the submission 015 rifle. Submission 008 fired cartridge case was identified as having been fired in the submission 015 rifle (.308 Winchester G. A. Precision rifle, model FBI HRT, serial number HRT159).

The test fired specimens will remain on file at the laboratory. The submitted evidence is being

Report Continued

RESULTS OF EXAMINATION(Continued):

returned to your agency.

Results apply to the evidence as received by the Division of Scientific Services and relate only to the items tested. This report reflects the test results, conclusions, interpretations and/or the findings of the analyst as indicated by their signature below.

Examiner - Electronically Signed By: _____

Lisa Ragaza
Forensic Science Examiner 1

Reviewer - Electronically Signed By: _____

Jennifer Robisheaux
Forensic Science Examiner 2