

Unboxing the ***Modify Steyr Scout*** *Bolt-action Sniper Rifle*



MILITARY ANNY



<https://anny.cc/modify-steyr-scout>



The Counter Strike launched in 1999 for sure brings back fond memories for airsoft enthusiasts. Research shows that practically all those who used the CS have all tried the Steyr Scout. Modify, true to its Japanese craftsmanship roots, introduced in 2021 the Steyr Scout Bolt-action Sniper Rifle, complete with ASG-authorized Steyr Arms Austria marking. As with any airsoft fan who wants to see this gun in action, Modify has asked GI Anny of the Taiwan Sniper League to unbox our Steyr Scout for a firsthand look.

Content

- ① *Unboxing the Steyr Scout Bolt-action Sniper Rifle***
- ② *Taiwan Sniper League***
- ③ *Center-to-Center (CTC)***
- ④ *On-site test of shooter status***
- ⑤ *On-site test of shooter skill***
- ⑥ *Record of evaluation of shooters' weapons***
- ⑦ *Steyr Scout disassembly***

1. Unboxing the Steyr Scout Bolt-action Sniper Rifle



Steyr Arms, founded in 1864 in Austria known for developing various classic firearms including the Steyr AUG. We're unboxing the Steyr Scout, which was volume produced in 1983, with its co-development with Jeff Cooper, the legendary retired US Marine, who helped to make it lighter, durable and versatile.



The Steyr Scout airsoft sniper rifle in grey, with cleaning rod, 2 shoulder patches, sticker, 0.4g BBs and canister, instruction manual.

Q Front Sight

Push the front sight switch (shown by red arrow) for automatic pop up. Push the same switch then depress the front sight to retract.



Q Rear Sight

Raise the rear sight above the trigger by pulling it up, and vice versa to retract.



Q ASG-authorized marking



Steyr Arms Austria-authorized marking on the rear of the gun body.



Modify marking and serial engraved on the upper gun body shows high quality and eye-for-detail.

Bipod



▲ Collapsible bipod



Push release button to spread the bipod.



Simply push the bipod back into its recess along the gun body to retract.



🔍 Operating the safety

The charging handle can be pulled without firing BBs even with the safety on.

- ※The gun cannot be fired with the safety on **WHITE** as shown left.
- ※The gun is **HOT** with the safety on **RED** as shown right.

🔍 Loading magazine



Push the slot (circled red) on the main magazine to remove it.



The translucent magazine enables shooters to instantly tell the remaining BB volume.

🔍 Adjusting the hop-up



The hop-up is adjustable from both sides of the gun when one leg of the bipod is lowered.



The spare magazine offers plentiful BBs (32 BBs/magazine).

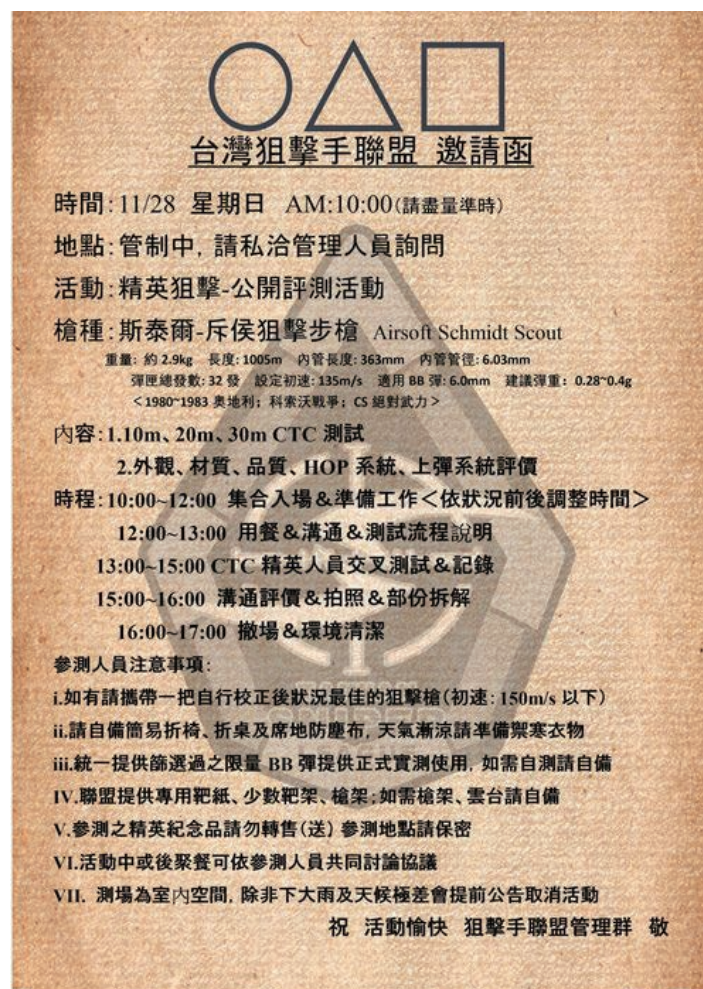


The above descriptions of the Steyr Scout are summarized. Read the Instruction Manual for the details. The highlight is based on the unboxing with shooters from the Taiwan Sniper League. Please read on.

Modify Steyr Scout's 9 Features

- ❶ **ASG-authorized Steyr Arms Austria marking**
- ❷ **Integrated bipod with strengthened nylon lower body.**
- ❸ **Dual hop-up adjustment (Lever/screw-type adjustment).**
- ❹ **With factory-installed, the latest Predator bucking 60 deg.**
- ❺ **Airbrake piston out-of-the-box to reduce noise.**
- ❻ **Enlarged cylinder set with 12.5% bigger volume than MOD24's.**
- ❼ **100% airtight**
- ❽ **Translucent magazine for instant BBs checking.**
- ❾ **Mock magazine to store tools and spare magazine.**

2. Taiwan Sniper League



○△□
台灣狙擊手聯盟 邀請函

時間: 11/28 星期日 AM:10:00(請盡量準時)
地點: 管制中, 請私洽管理人員詢問
活動: 精英狙擊-公開評測活動
槍種: 斯泰爾-斥侯狙擊步槍 Airsoft Schmidt Scout
重量: 約 2.9kg 長度: 1005mm 內管長度: 363mm 內管管徑: 6.03mm
彈匣總發數: 32 發 設定初速: 135m/s 適用 BB 彈: 6.0mm 建議彈重: 0.28~0.4g
<1980~1983 奧地利; 科索沃戰爭; CS 絕對武力>

內容: 1.10m、20m、30m CTC 測試
2.外觀、材質、品質、HOP 系統、上彈系統評價

時程: 10:00~12:00 集合入場&準備工作<依狀況前後調整時間>
12:00~13:00 用餐&溝通&測試流程說明
13:00~15:00 CTC 精英人員交叉測試&記錄
15:00~16:00 溝通評價&拍照&部份拆解
16:00~17:00 撤場&環境清潔

參測人員注意事項:

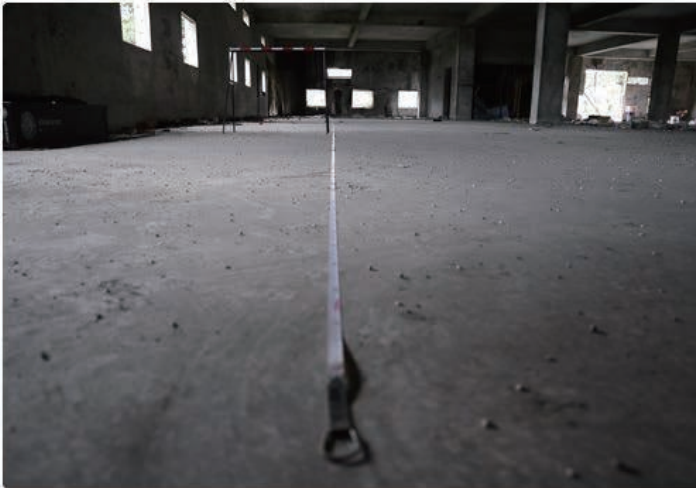
- i.如有請攜帶一把自行校正後狀況最佳的狙擊槍(初速: 150m/s 以下)
- ii.請自備簡易折椅、折桌及席地防塵布, 天氣漸涼請準備禦寒衣物
- iii.統一提供篩選過之限量 BB 彈提供正式實測使用, 如需自測請自備
- iv.聯盟提供專用靶紙、少數靶架、槍架;如需槍架、雲台請自備
- v.參測之精英紀念品請勿轉售(送) 參測地點請保密
- vi.活動中或後聚餐可依參測人員共同討論協議
- vii.測場為室內空間, 除非下大雨及天候極差會提前公告取消活動

祝 活動愉快 狙擊手聯盟管理群 敬

Thanks to the shooters of the Taiwan Sniper League for helping with the unboxing and testing.

※Taiwan Sniper League:
<https://reurl.cc/EZO9Y0>

Test site



The site length is measured with laser instrument and tape measure.



The site is partly open to the outside with windows. Five shooters tested the Modify Steyr Scout Bolt-action Sniper Rifle. The picture shows the partly set up site.

3. Center-to-Center (CTC)



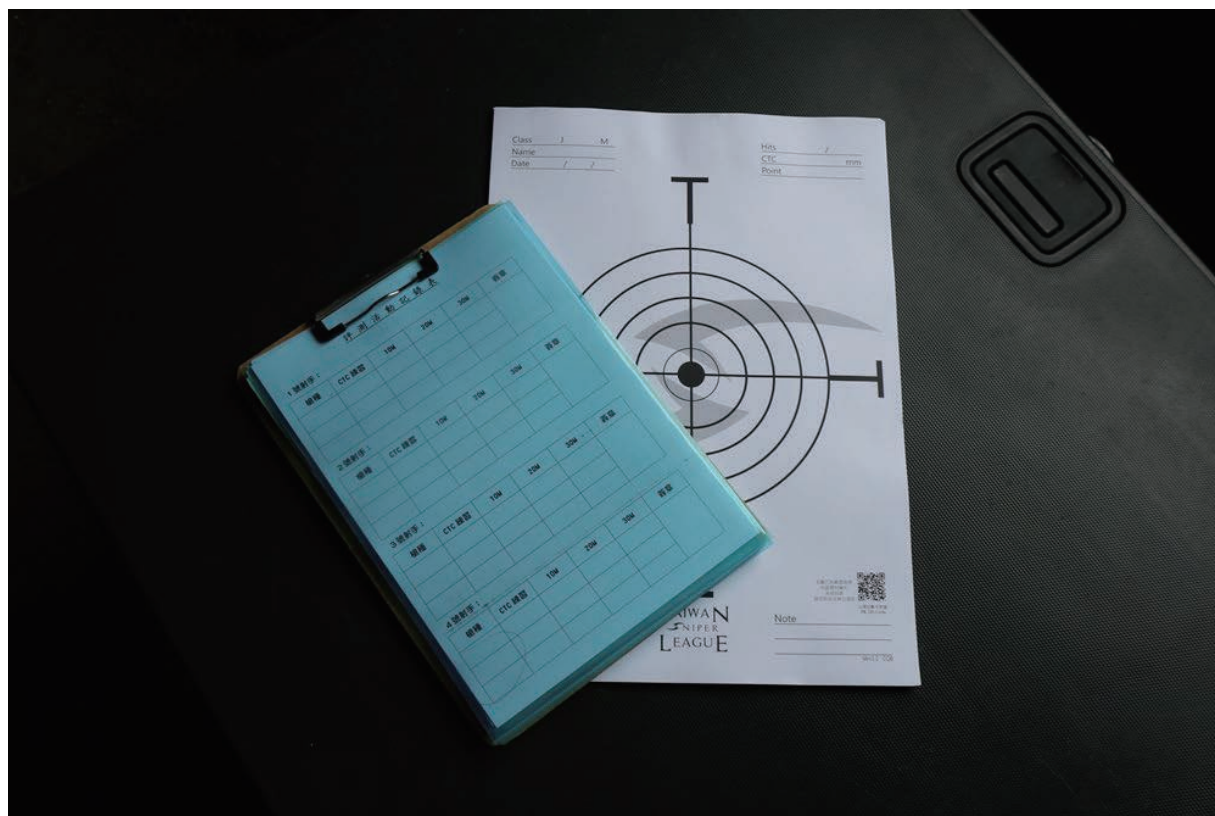
Center-to-Center is a measure of the BB distribution on the target, specifically the distance between the two farthest BBs. If a BB misses the target, then no CTC is measured.



Test regulations / key points

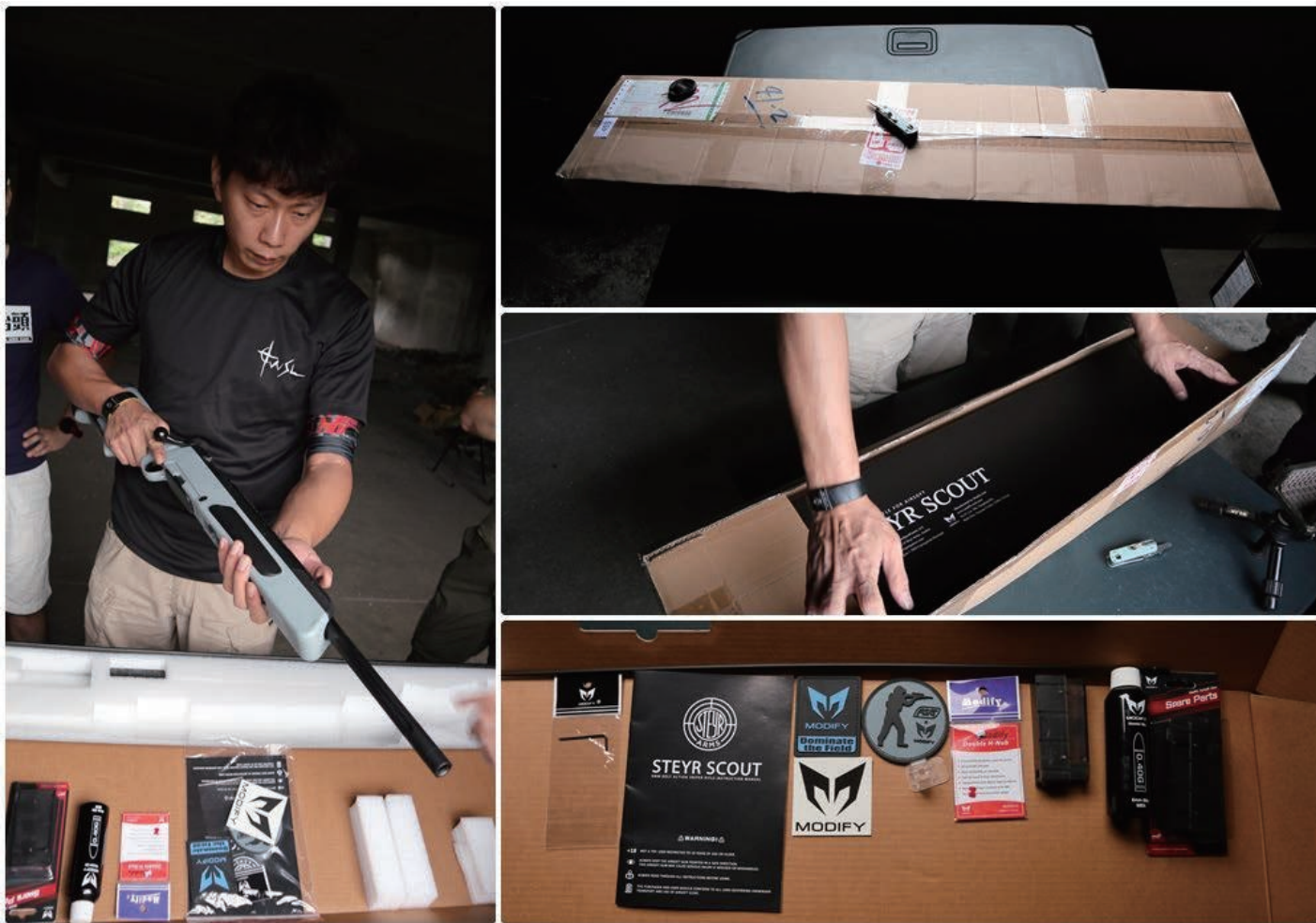


The 5 shooters from the Taiwan Sniper League including its founder Jason, shown having lunch and discussing the keys of the test for the afternoon.



▲ Test activity record and paper targets.

🎯 Unboxing the Steyr Scout Bolt-action Sniper Rifle



Jason opens the box of the Modify Steyr Scout Bolt-action Sniper Rifle on-site to ensure fairness, objectivity and transparency.

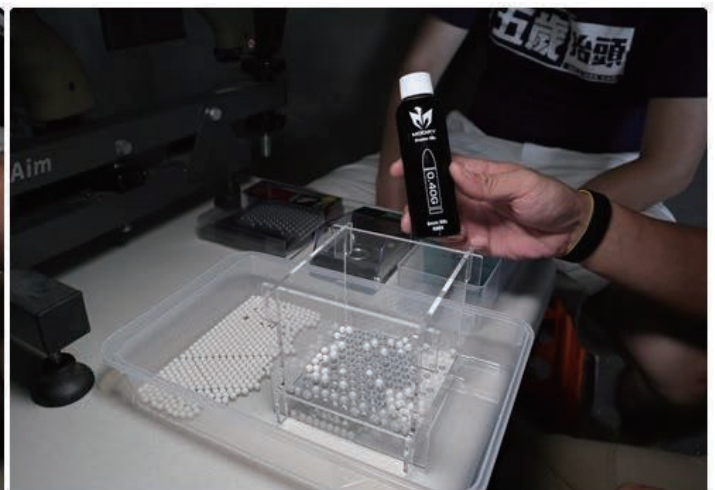
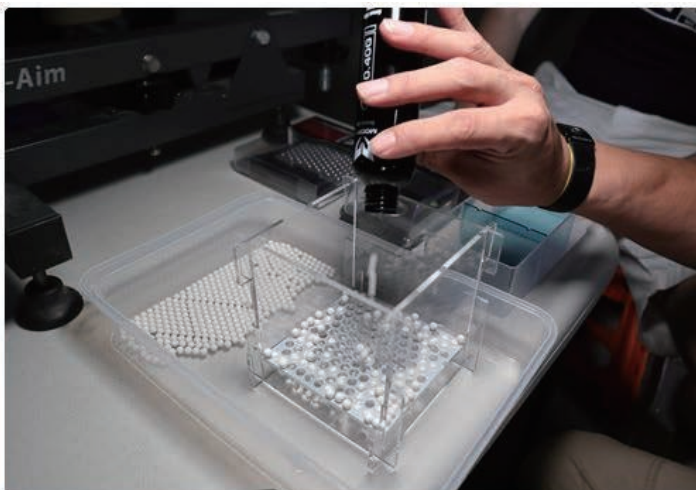
🎯 Choosing BBs

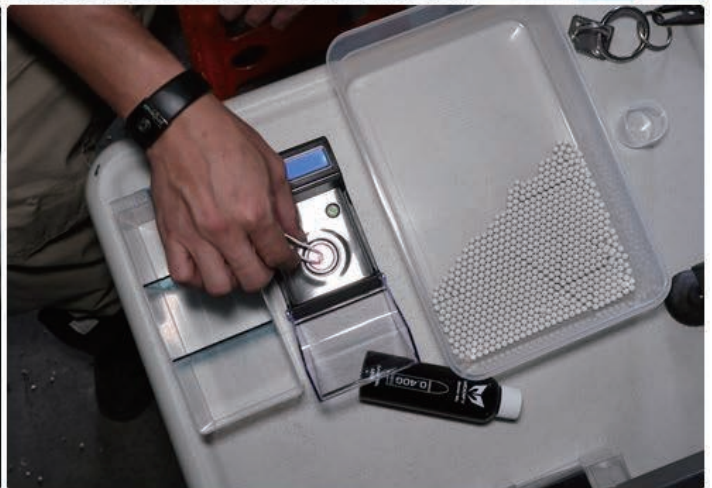
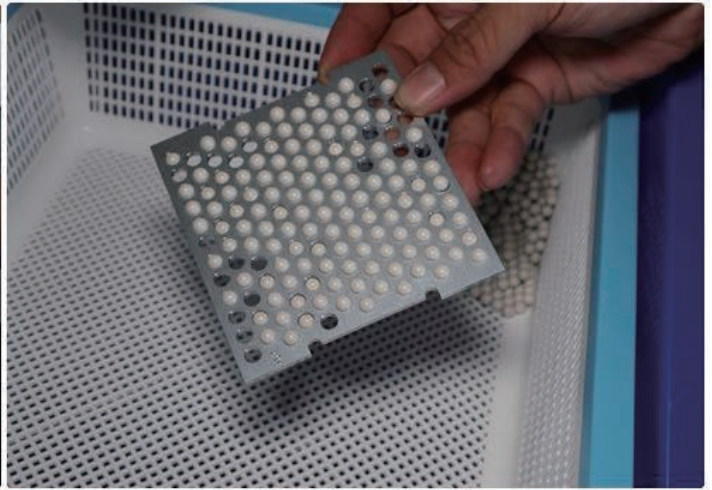


Shooters test the gun with BBs from various makers with the pincers shown.



The shooters hold day jobs. BBs chosen by Jason a day before the test.





Modify provides 0.4BBs. The simplified BB selection shown on-site.



The shooters take turns weighing each BB selected.

Testing Steyr Scout's muzzle velocity



Setting up the Steyr Scout on the bipod to test the muzzle velocity.



Filling the magazine full of BBs.



Testing the muzzle velocity with the factory, unadjusted hop-up.

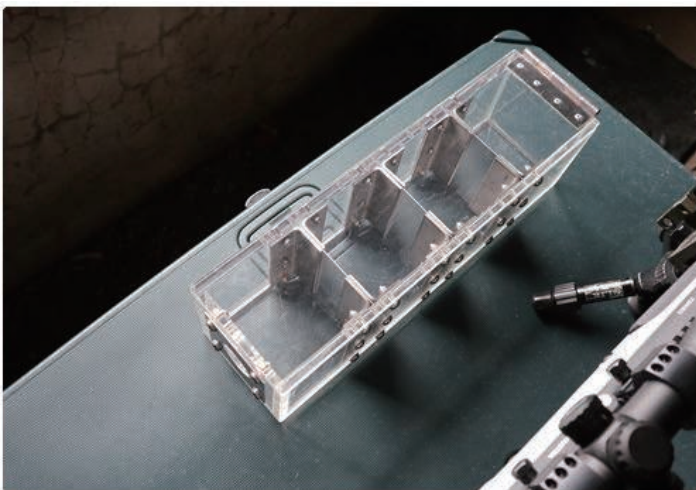
※ The ACETECH ballistic chronograph is used.



The muzzle velocity shown with the hop-up adjusted.

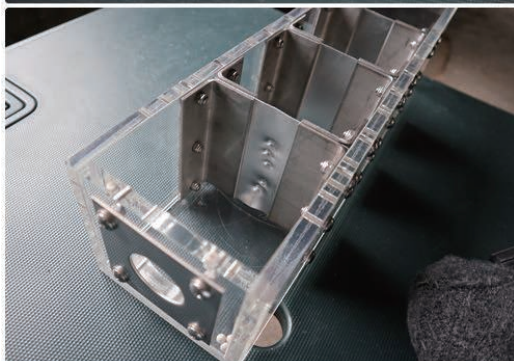
※ The ACETECH ballistic chronograph is used.

Testing with aluminum plates



Besides using the ballistic chronograph, aluminum plates placed in the acrylic boxes are used to test with Modify's 0.4BBs.

※ Aluminum plates are 0.54mm thick.



The gun is legal if 3 shots do not break the first aluminum plate.



5 shots fired for this test and recorded on the aluminum plate.

4. *On-site testing of the Steyr Scout*



After the pre-test preparations, the shooters fire the Japanese MARUI VSR10 to make sure of their aim.



Each shooter fires 3 times at the red circled target 20M away.



The steel targets are a bit bigger than the NT\$10 coin.



The 10M, 20M and 30M setup of the test range and paper targets.

5. *On-site test of shooter skill*

Each sequence includes 10 shots at 10M, 20M and 30M, with a monitor measuring the velocity as each shooter fires.



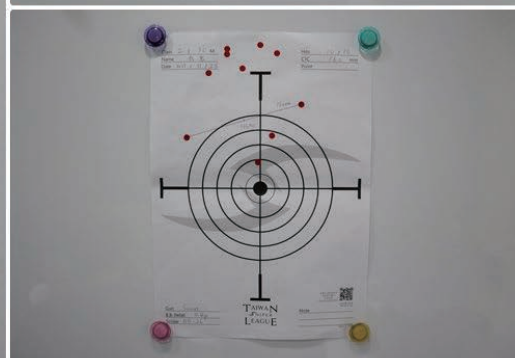
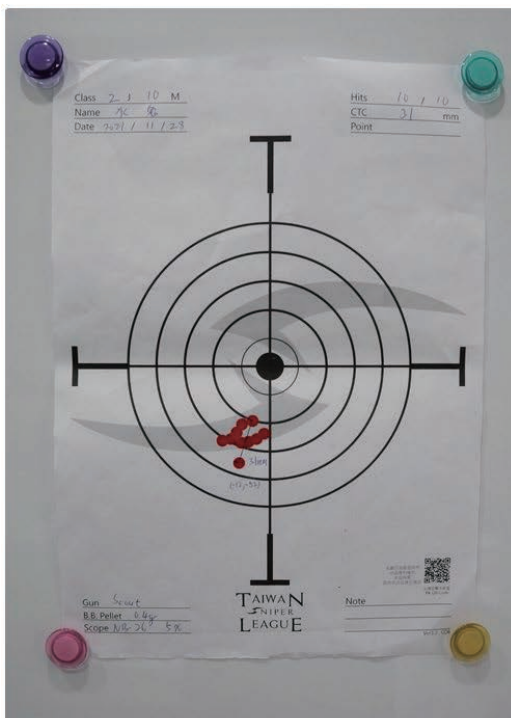
The 1st shooter

Conditions at 1st shot:

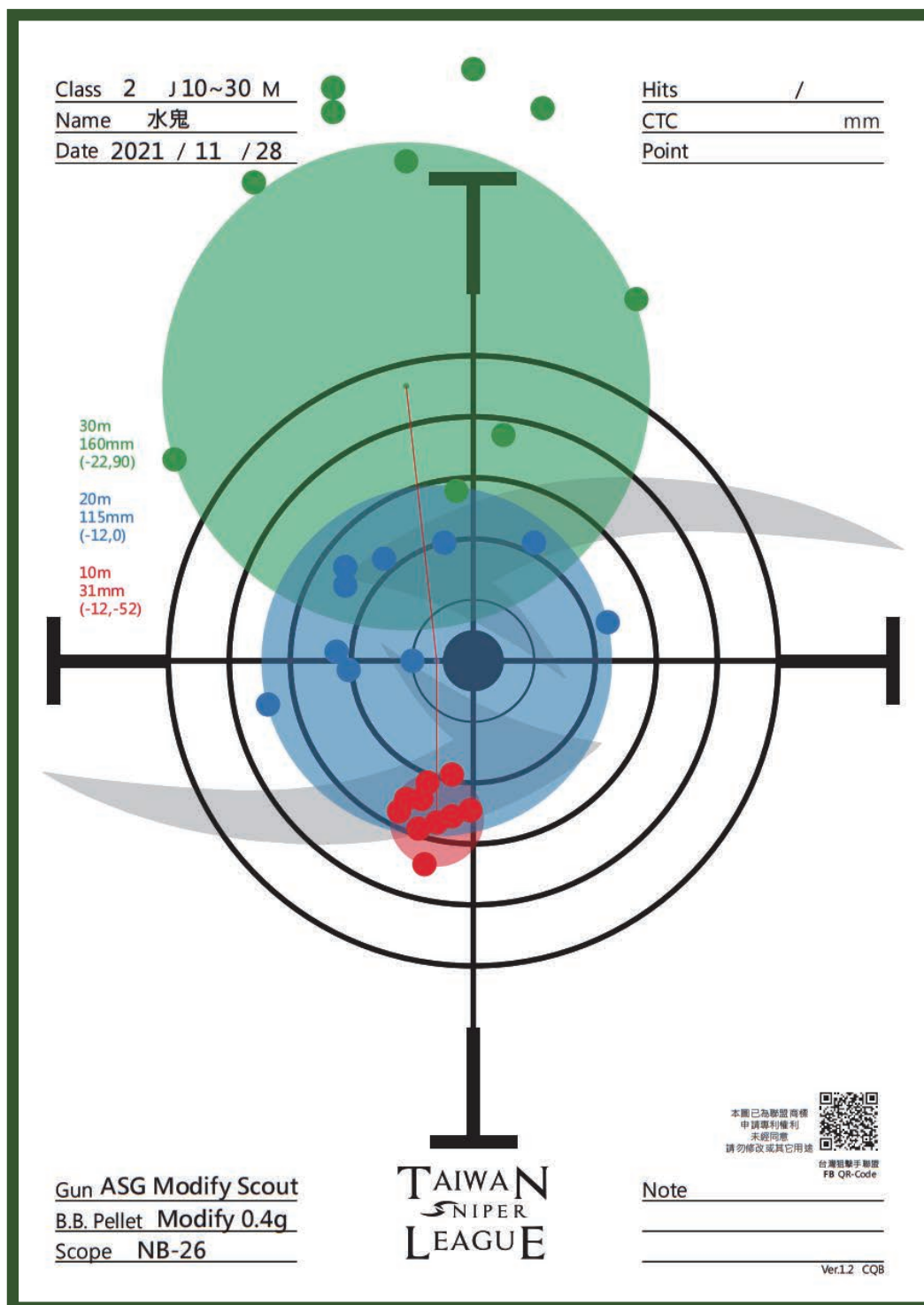
※ Time: 15:24

※ Ambient temp: 21.9°C

※ Humidity: 73%

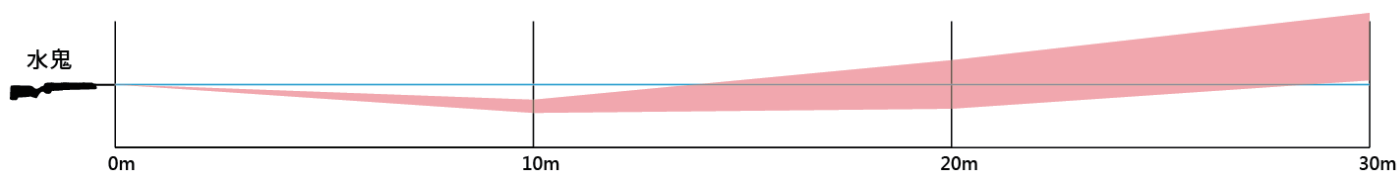


The 1st shooter achieved CTC at 10M, 20M and 30M.



The detailed BB distribution of the 1st shooter.

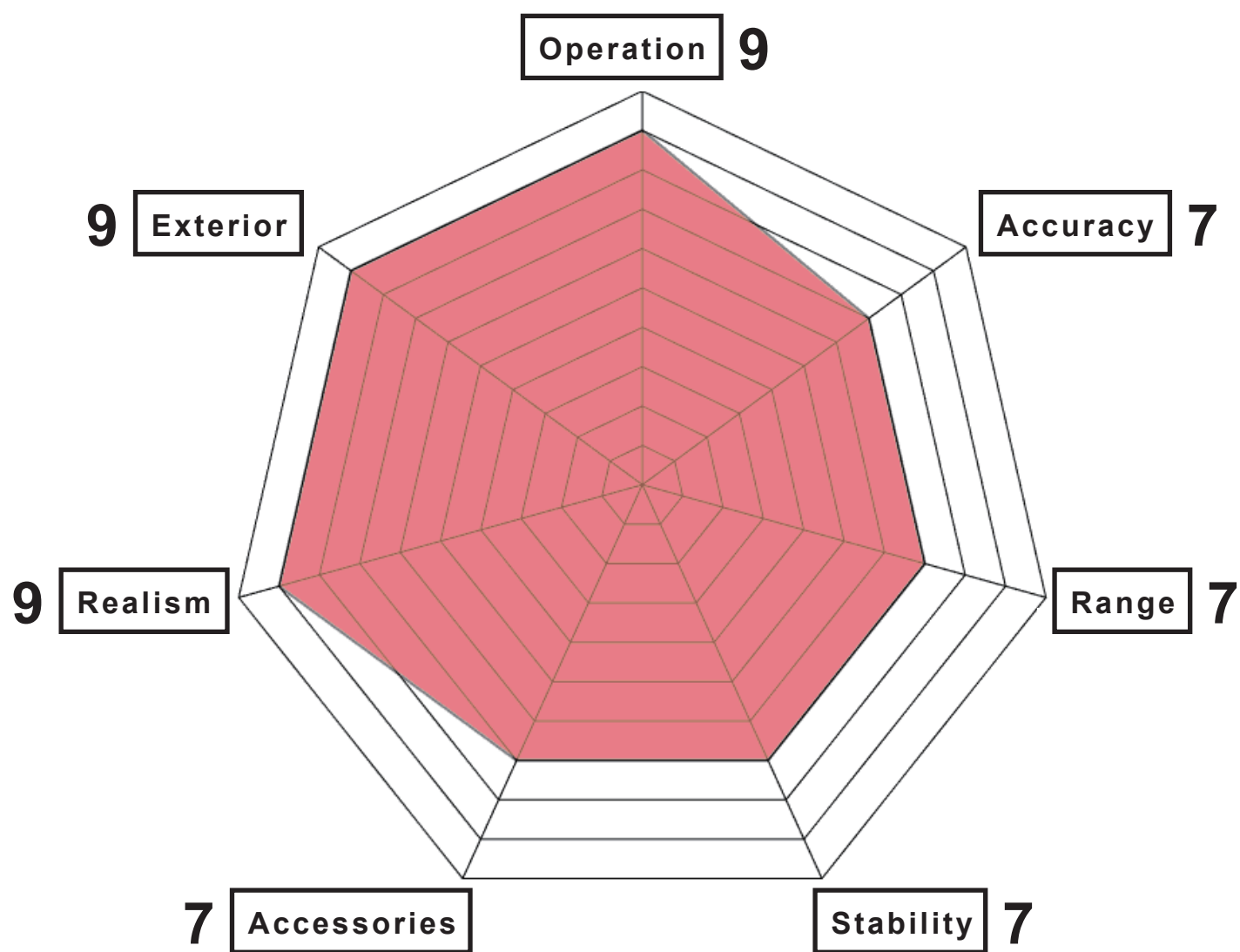
Red: 10M / Blue: 20M / Green: 30M



The 1st shooter's trajectory with the Steyr Scout at 10M, 20M and 30M.

The 1st shooter's evaluation of the Steyr Scout:

On-site evaluation (1~10)





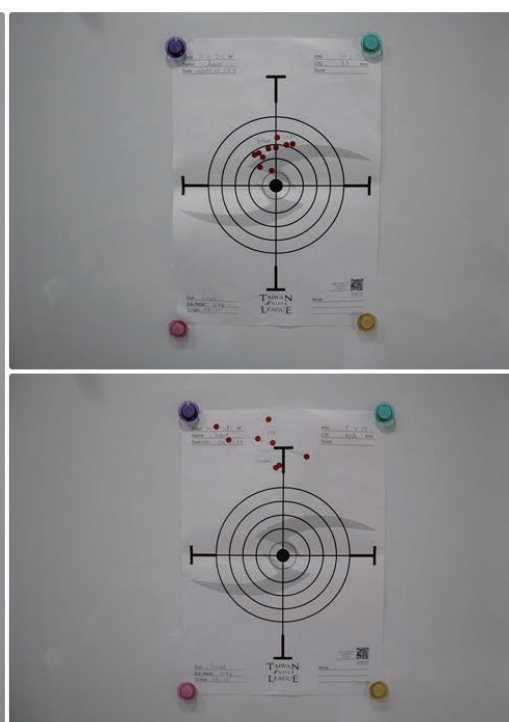
The 2nd shooter

Conditions at 1st shot:

※ Time: 15:44

※ Ambient temp: 23°C

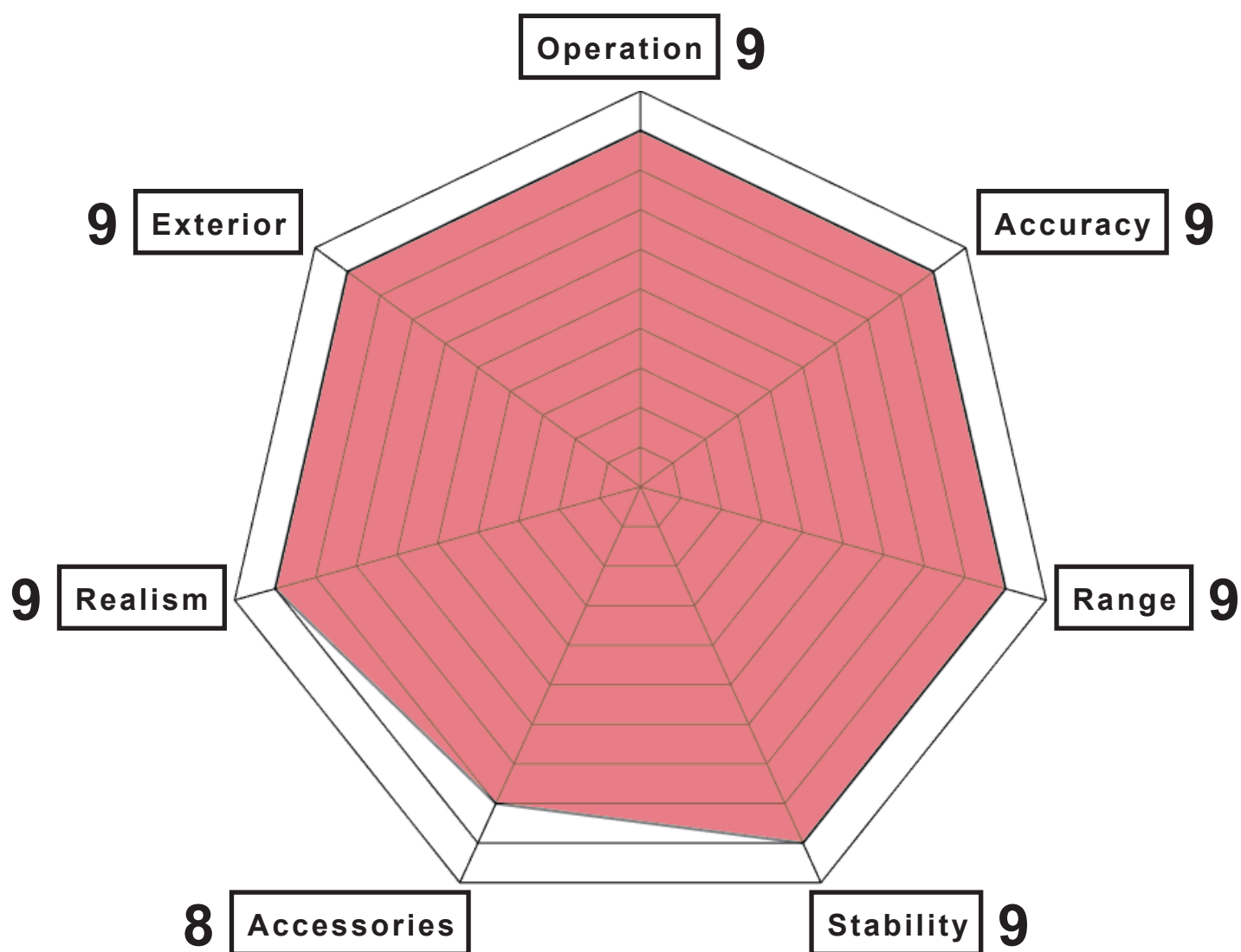
※ Humidity: 72%



The 2nd shooter achieved CTC at 10M and 20M but only hit the target 8 times at 30M.

The 2nd shooter's evaluation of the Steyr Scout:

On-site evaluation (1~10)





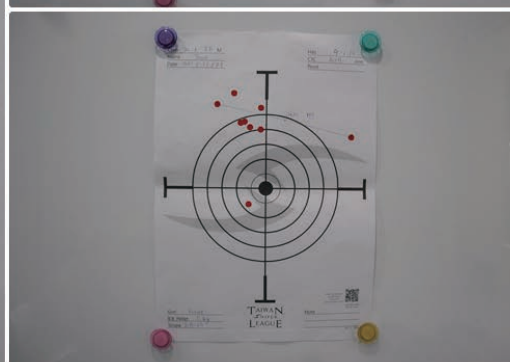
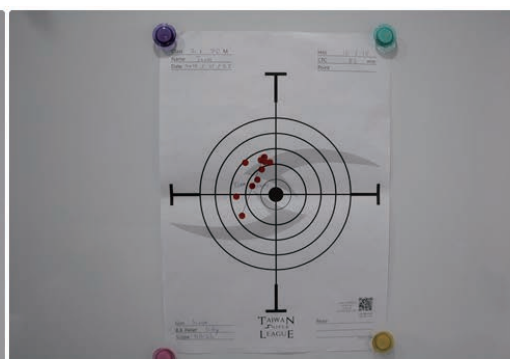
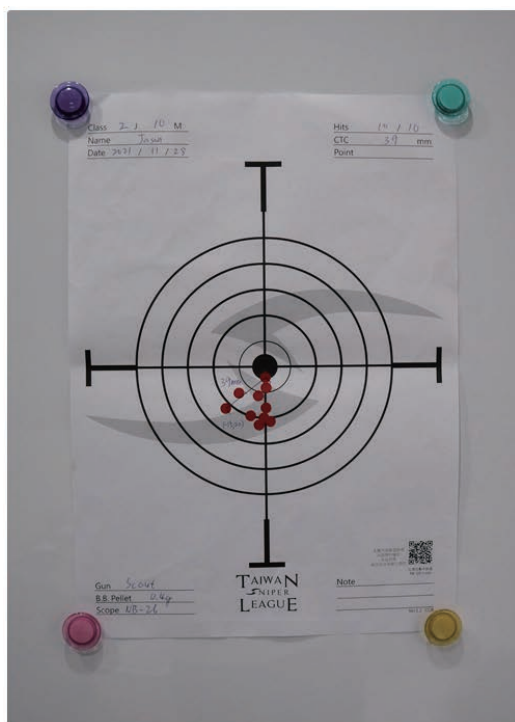
The 3rd shooter

Conditions at 1st shot:

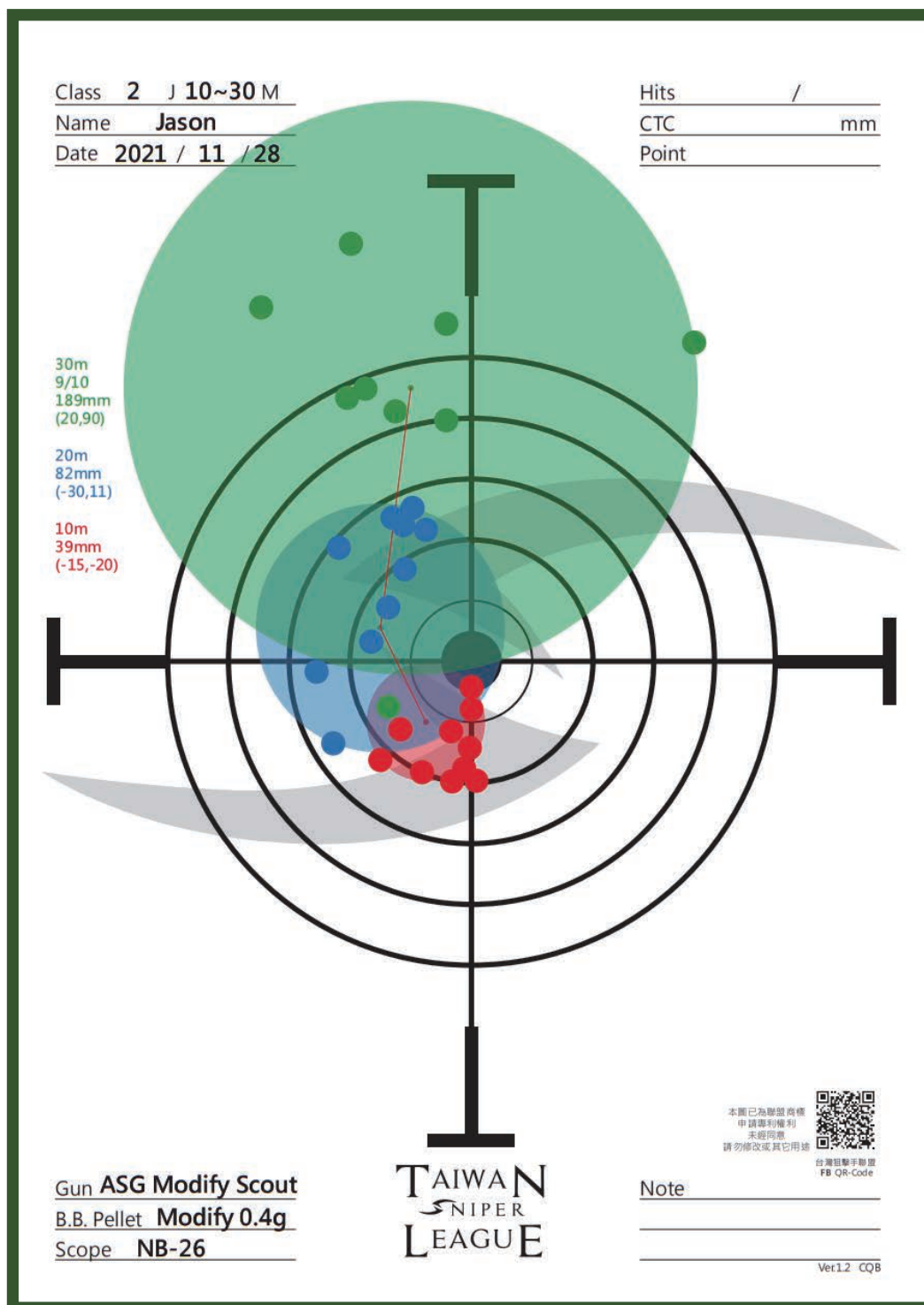
※ Time: 16:15

※ Ambient temp: 22°C

※ Humidity: 72%

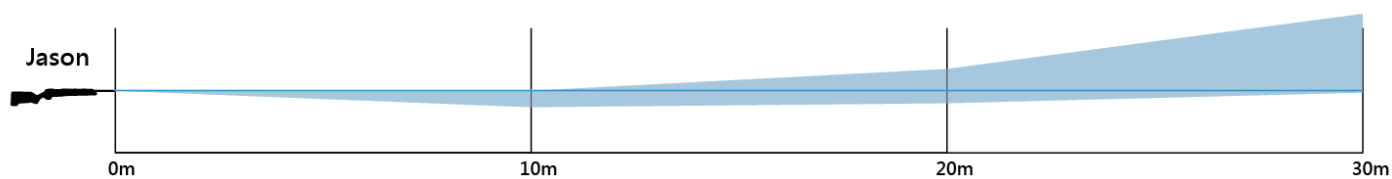


The 3rd shooter achieved CTC at 10M, 20M and 30M.



The detailed BB distribution of the 3rd shooter.

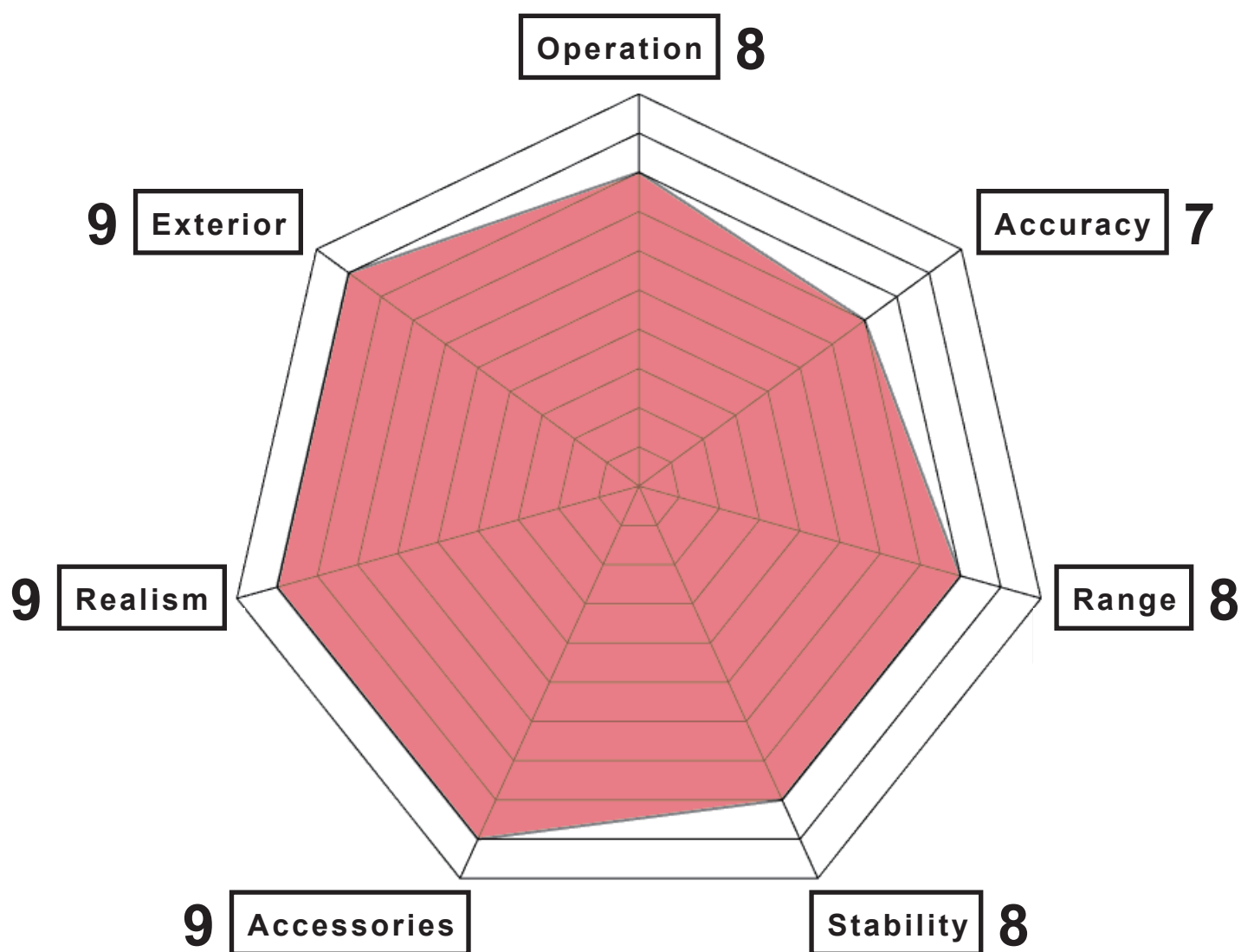
Red: 10M / Blue: 20M / Green: 30M



The 3rd shooter's trajectory with the Steyr Scout at 10M, 20M and 30M.

The 3rd shooter's evaluation of the Steyr Scout:

On-site evaluation (1~10)





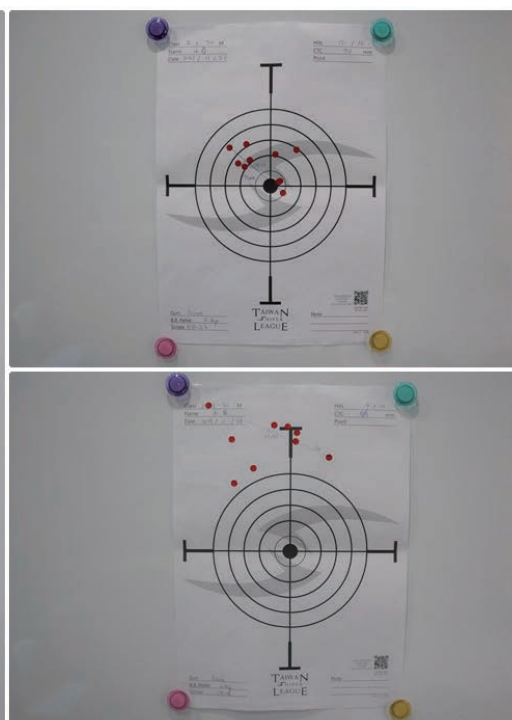
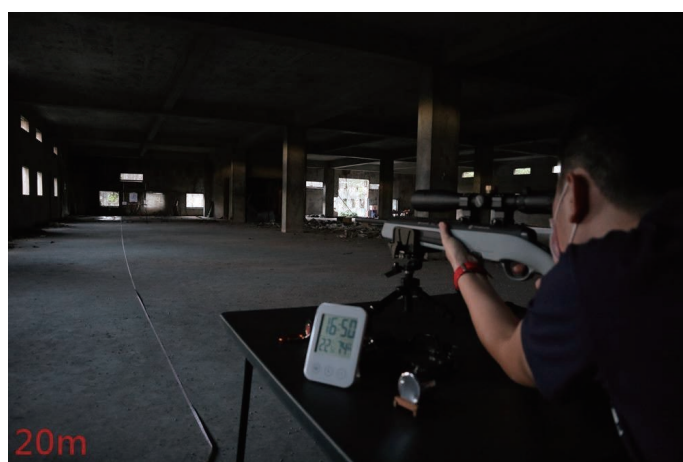
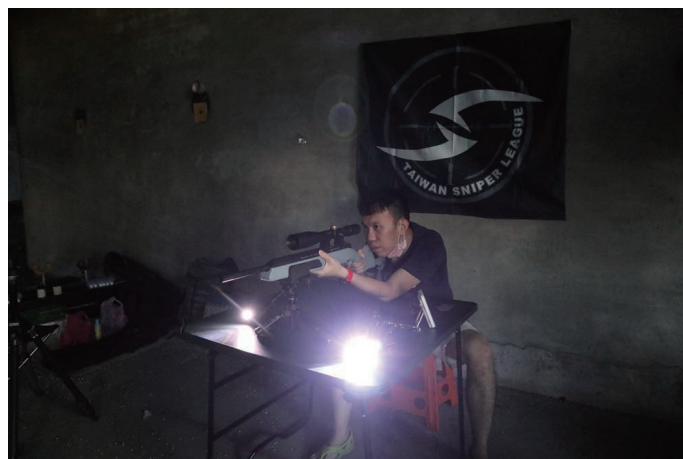
The 4th shooter

Conditions at 1st shot:

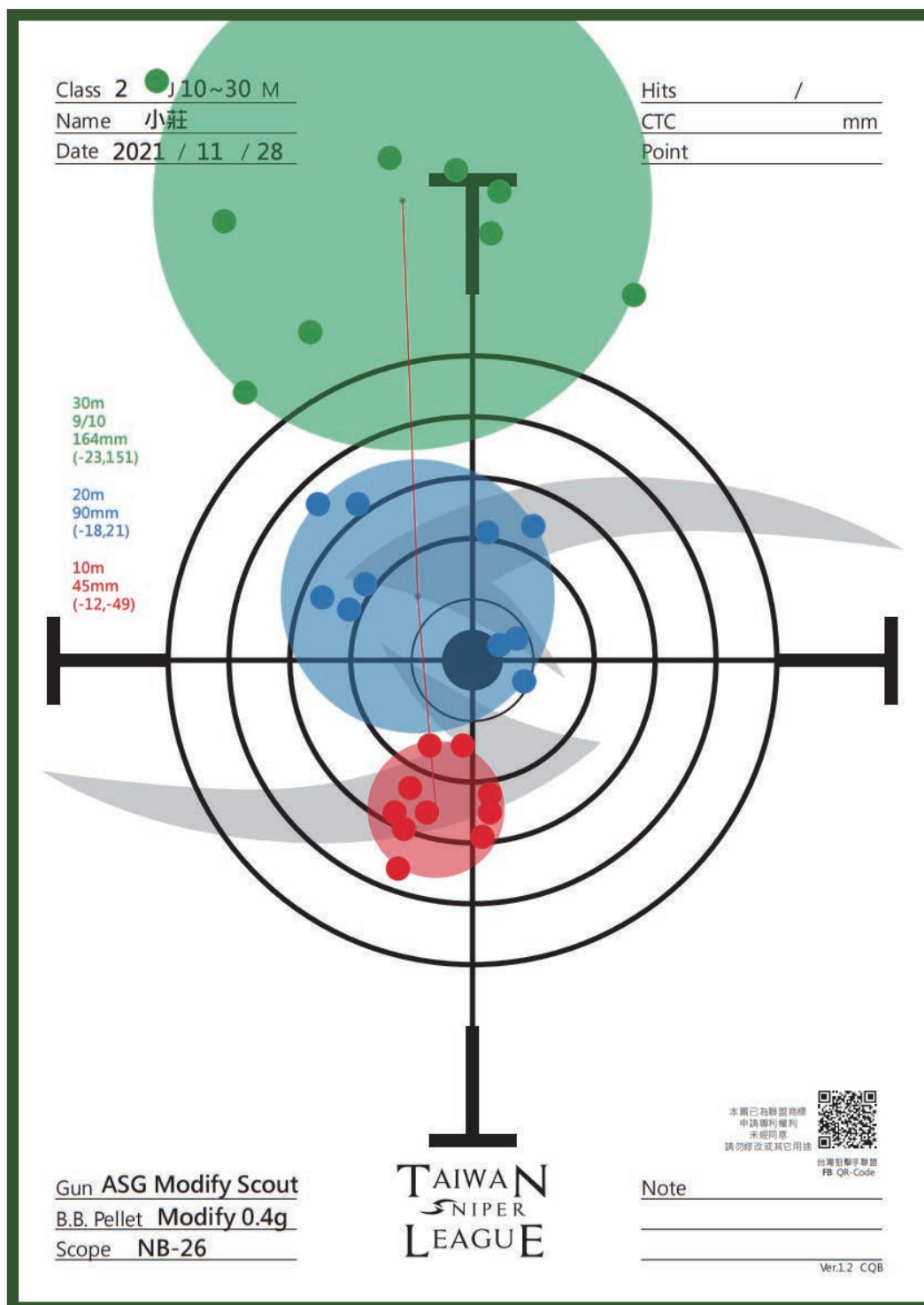
※ Time: 16:46

※ Ambient temp: 22°C

※ Humidity: 74%

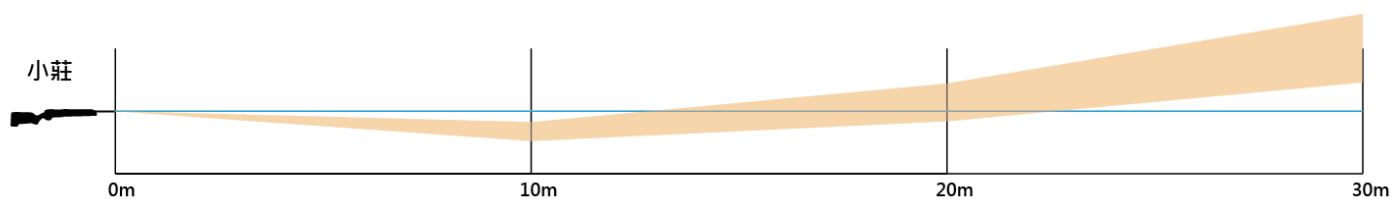


The 4th shooter achieved CTC at 10M and 20M but only hit the target 9 times at 30M.



The detailed BB distribution of the 4th shooter.

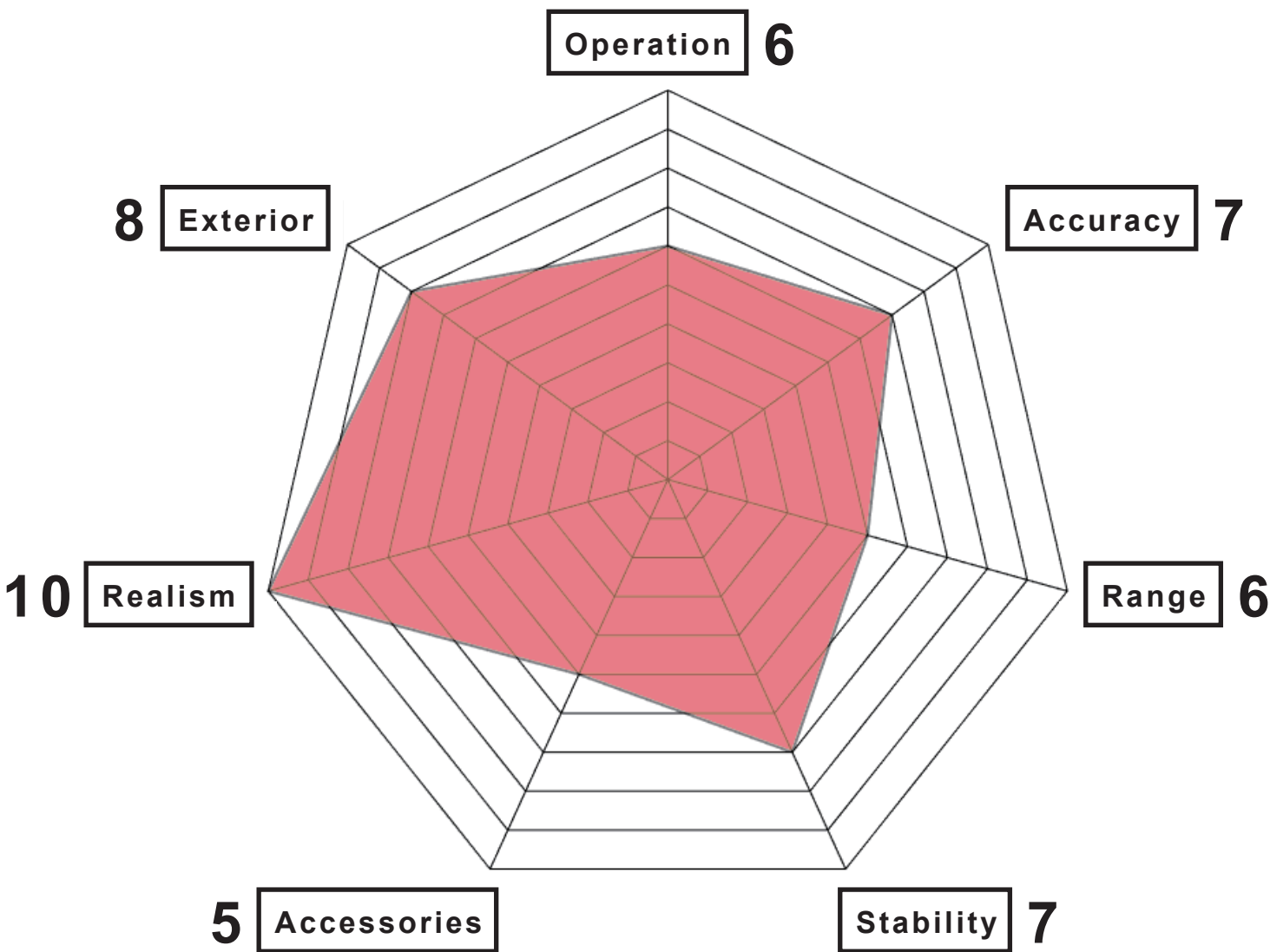
Red: 10M / Blue: 20M / Green: 30M (no CTC)



The 4th shooter's trajectory with the Steyr Scout at 10M, 20M and 30M.

The 4th shooter's evaluation of the Steyr Scout:

On-site evaluation (1~10)





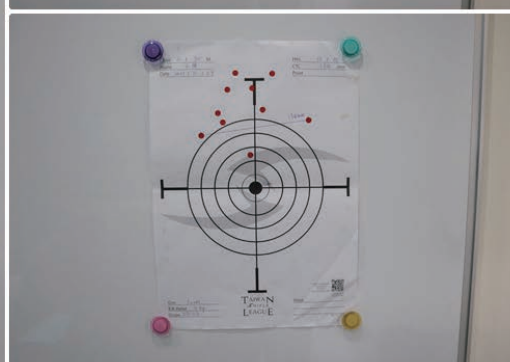
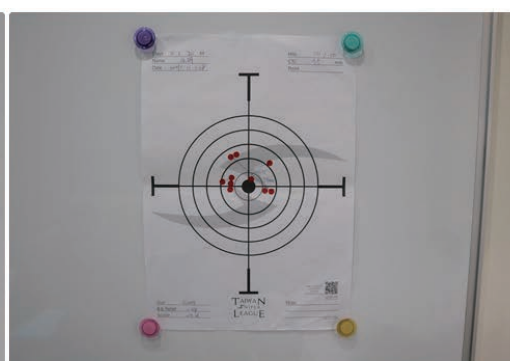
The 5th shooter

Conditions at 1st shot:

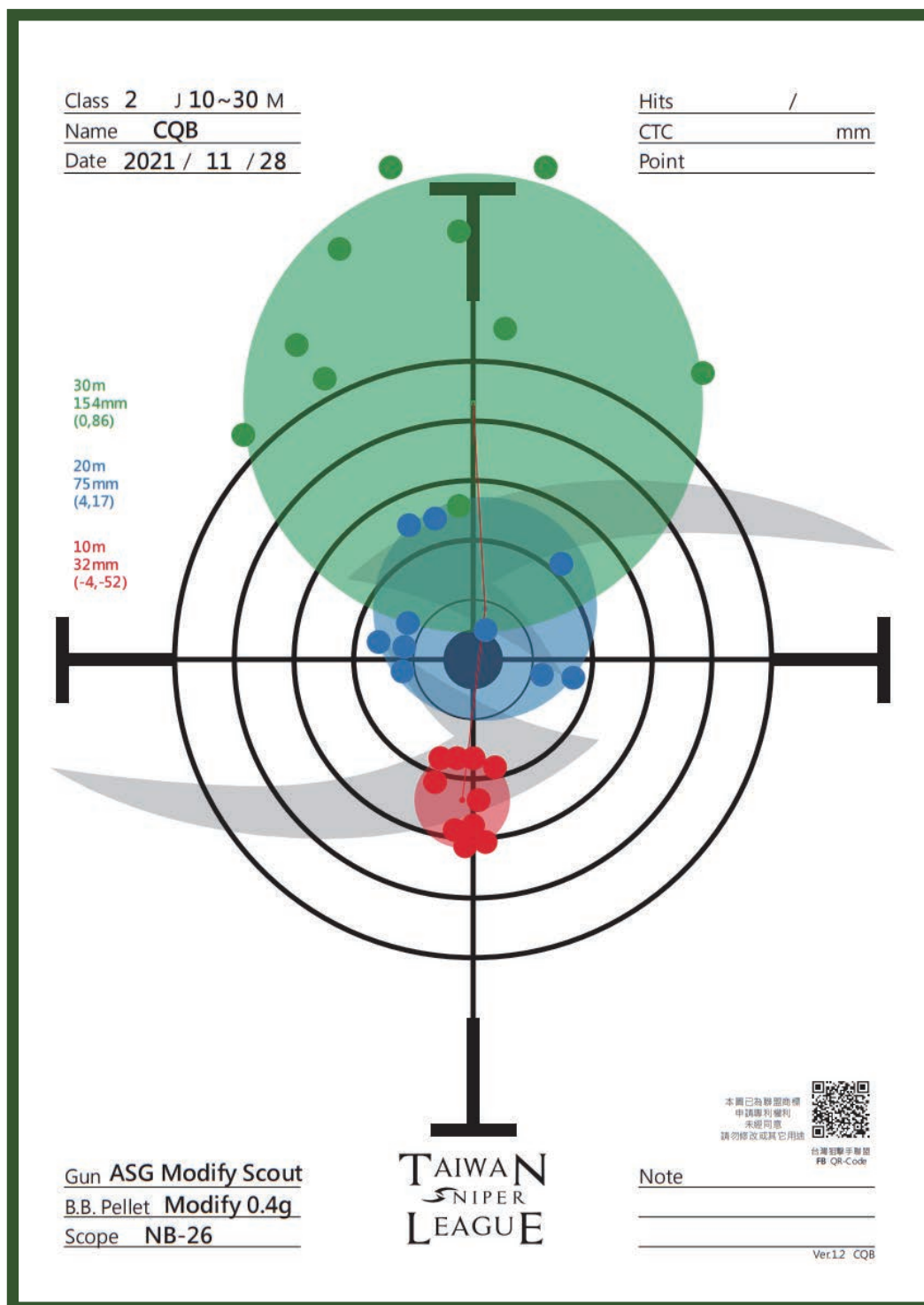
※ Time: 17:08

※ Ambient temp: 22°C

※ Humidity: 75%

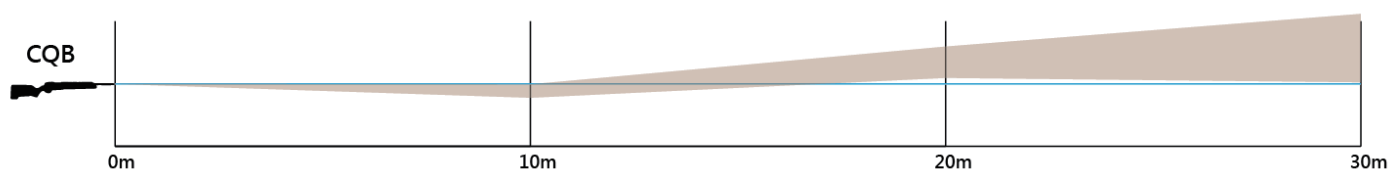


The 5th shooter achieved CTC at 10M, 20M and 30M.



The detailed BB distribution of the 5th shooter.

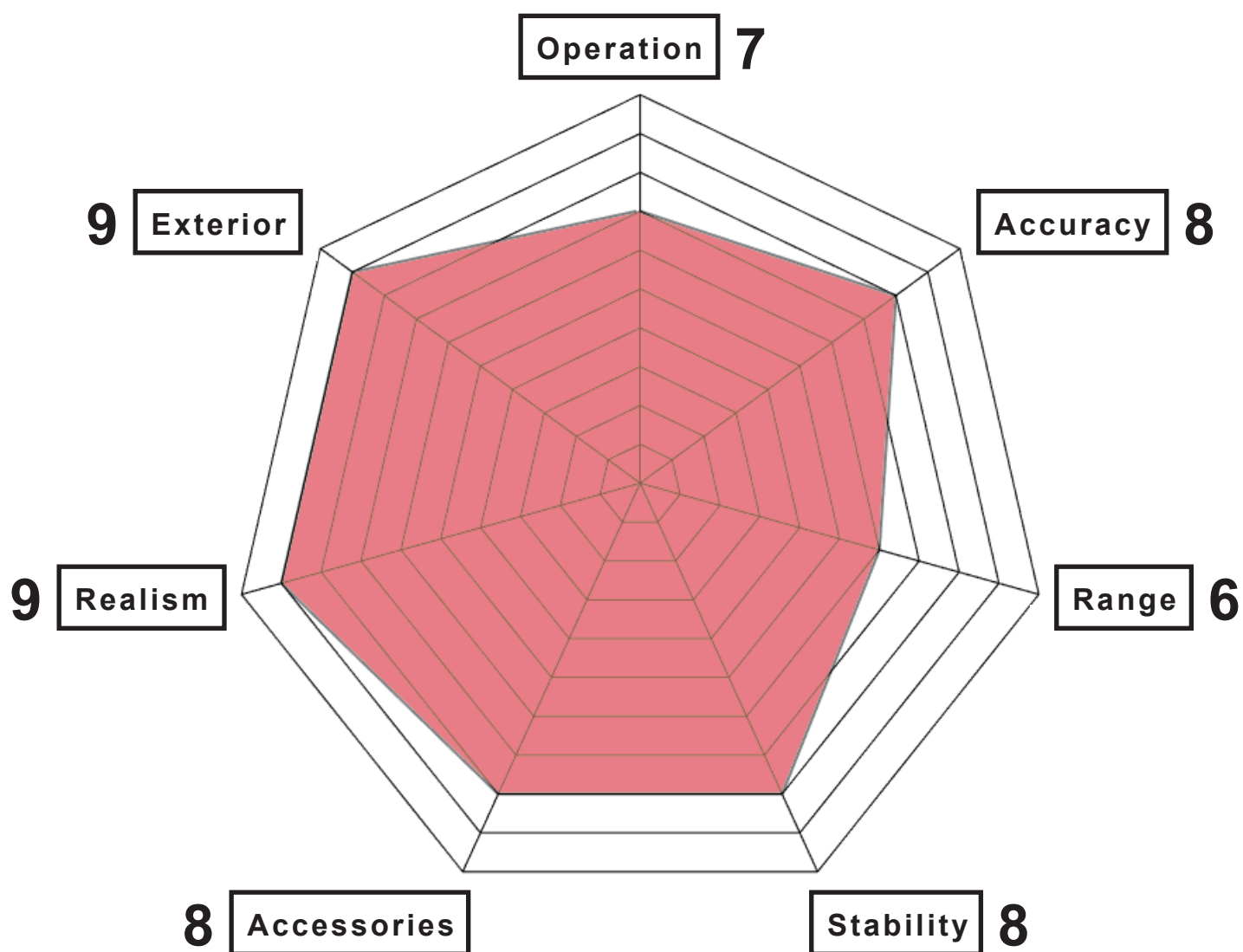
Red: 10M / Blue: 20M / Green: 30M



The 5th shooter's trajectory with the Steyr Scout at 10M, 20M and 30M.

The 5th shooter's evaluation of the Steyr Scout:

On-site evaluation (1~10)



Test Activity Record

評測活動記錄表

1 號射手:	槍種	CTC 練習	10M	20M	30M	簽章
Scout			3 10m	115mm	160mm	[Signature]
"						
"						

2 號射手:	槍種	CTC 練習	10M	20M	30M	簽章
Scout			43mm	57mm	N/A	[Signature]
"						
"						

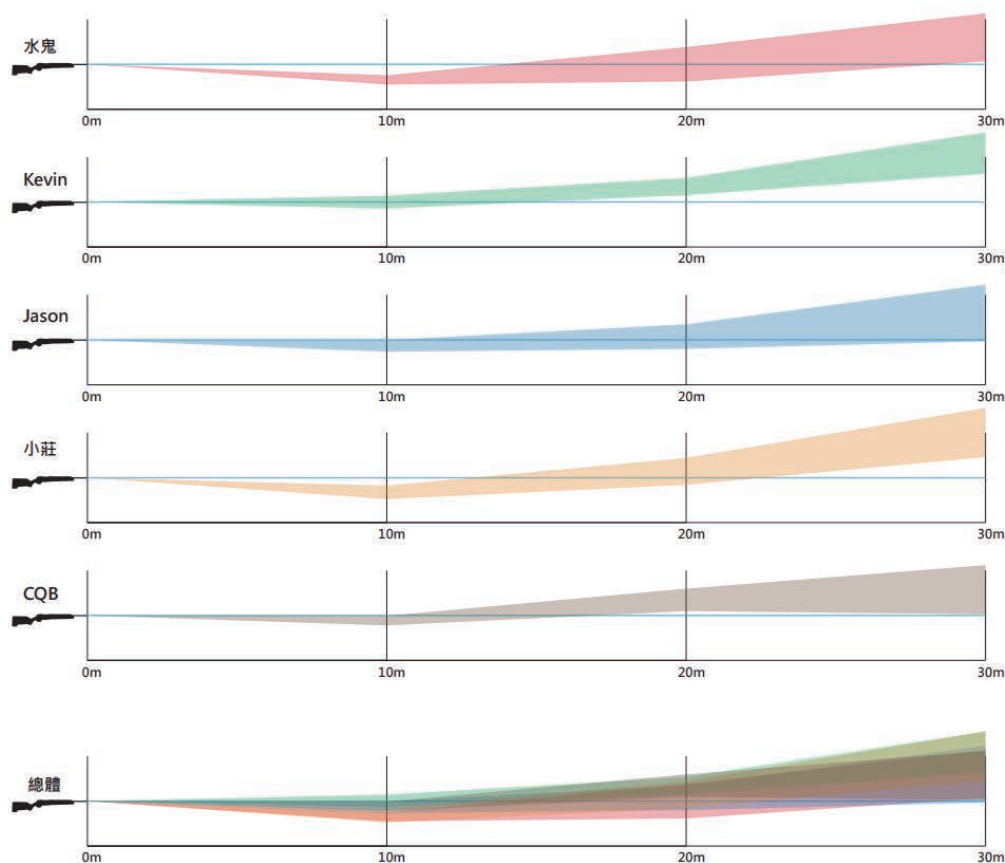
3 號射手:	槍種	CTC 練習	10M	20M	30M	簽章
Scout			39mm	82mm	N/A	[Signature]
"						
"						

4 號射手:	槍種	CTC 練習	10M	20M	30M	簽章
Scout			45mm	90mm	N/A	[Signature]
"						
"						

5 號射手:	槍種	CTC 練習	10M	20M	30M	簽章
Scout			32mm	75mm	154mm	[Signature]
"						
"						

The record of the 5 shooters' tests of the Modify Steyr Scout Bolt-action Sniper Rifle.

The 5 shooters' range performance



The trajectories of the 5 shooters show their similar marksmanship.

5. *Record of evaluation of shooters' weapons*

The 1st shooter

Operation	Accuracy	Range	Stability	Accessories	Realism	Exterior
9	7	7	7	8	9	9

On-site evaluation (1~10)

Pros	Cons
• Nice exterior, lightweight and agile. • Comes with spare magazine. • Clearly-marked safety unlike VSR's that is easy to mis-activate.	• Uneasy to adjust hop-up and trajectory during combat. • Bipod rattles when retracted to cause instability.

The 2nd shooter

Operation	Accuracy	Range	Stability	Accessories	Realism	Exterior
9	9	9	9	8	9	9

On-site evaluation (1~10)

Pros	Cons
• Lightweight so easy to maneuver during combat. • Integrated bipod for quick deployment on-the-go. • Spare magazine for ample firepower.	• Uneasy to adjust trajectory. • Bipod too long to be bigger target in combat.

The 3rd shooter

Operation	Accuracy	Range	Stability	Accessories	Realism	Exterior
8	7	8	8	9	9	9

On-site evaluation (1~10)

Pros	Cons
• Realistic, well-made and high quality. • High-end materials worthy as collectible. • Fully optioned for ready combat. • Very stable and good performer all-round. • Balanced, smooth action and trigger. • Spare magazine for ample firepower and extended combat.	• Unstable bipod with gaps, opens too wide and slippery feet. • Hop-up adjustment needs scope removal. • Without ring for shoulder strap. • Hop-up arm may be over pushed. • Accuracy impacted by shooting with bipod or butt stock.

The 4th shooter

Operation	Accuracy	Range	Stability	Accessories	Realism	Exterior
6	7	5	7	5	9	8

On-site evaluation (1~10)

Pros	Cons
• Comes with spare magazine. • Lightweight and agile. • High-end feel to be collectable.	• Uneasy hop-up adjustment. • Bipod too long to compromise practicality. • Should offer option to enable changing bipod.

The 5th shooter

Operation	Accuracy	Range	Stability	Accessories	Realism	Exterior
7	8	6	8	8	9	9

On-site evaluation (1~10)

Pros	Cons
• Classic CS gun to realize Jeff Cooper’s dream weapon and concept. • Integrated bipod and dual magazine. • Realistic with ASG Steyr Arms-authorized marking. • Compatible with many upgrades, integrated reverse 14mm connector for easy silencer mount.	• Butt stock lacks ergonomic design, adjustability seen on many modern military sniper rifles. • Bipod too long without length, angle adjustability. • Lacks popular combat channel and QD ring for shoulder strap. • Without left-hander version.

7. Steyr Scout disassembly



Thanks to the Taiwan Sniper League’s members for taking time on the weekend to disassemble the Steyr Scout for discussion.



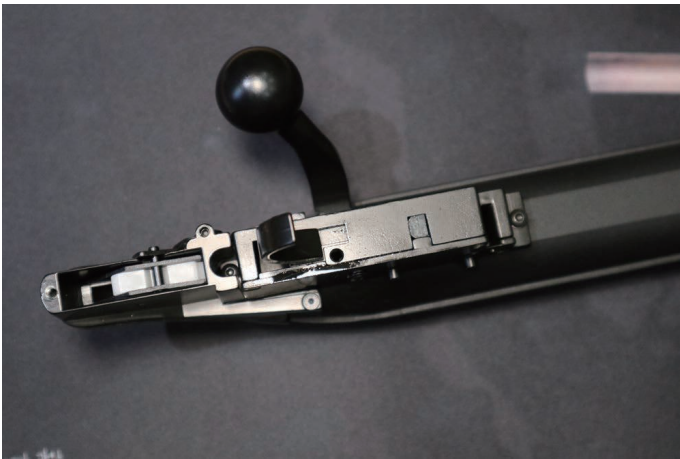
A tool is used to remove the butt stock rocker after securing it the on a jig.



Remove the bipod first before disassembling the gun.



▲ The upper, lower body; magazine; mock hi-capacity magwell; stock takedown screws and pin; stock rocker lock; gun-body washer; and bipod set shown.

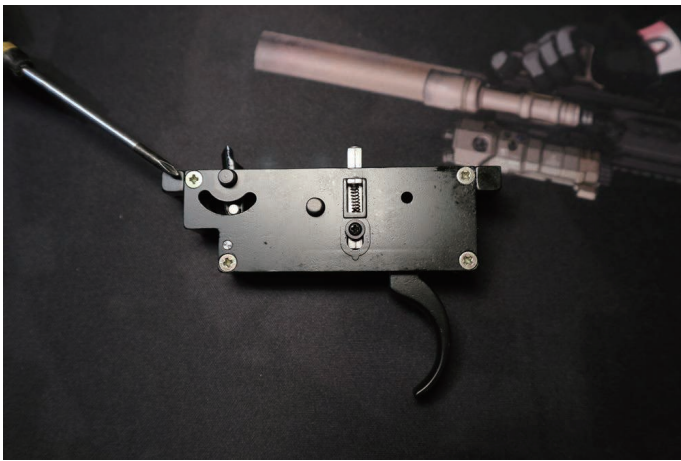


Disassembling the trigger.

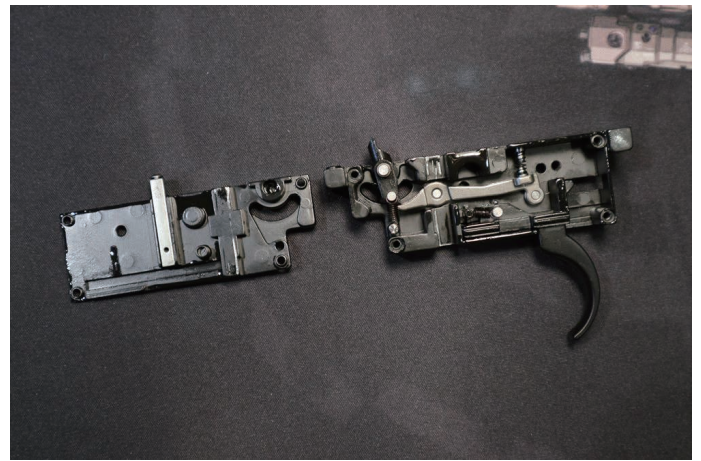
A magnetic stainless-steel dish holds each part in place. A hex key is used to remove the screws.

The safety mechanism is simply pushed back.





First remove the reinforced spring guide stopper.



▲ The trigger mechanism interior shown.



▲ The cylinder; enlarged cylinder head; enlarged O-ring; enlarged piston head; enlarged airbrake piston; 9mm spring; spring guide shown.



The redesigned enlarged cylinder head (left) and enlarged airbrake piston (right) achieve improved concentrated air pressure.



▲ Jason, founder of the Taiwan Sniper League.



Members discussing the gun's various details including materials and workmanship.



▲ Magazine Well



▲ POM extra-tight glide rings; receiver set; and M3X6 screws shown.

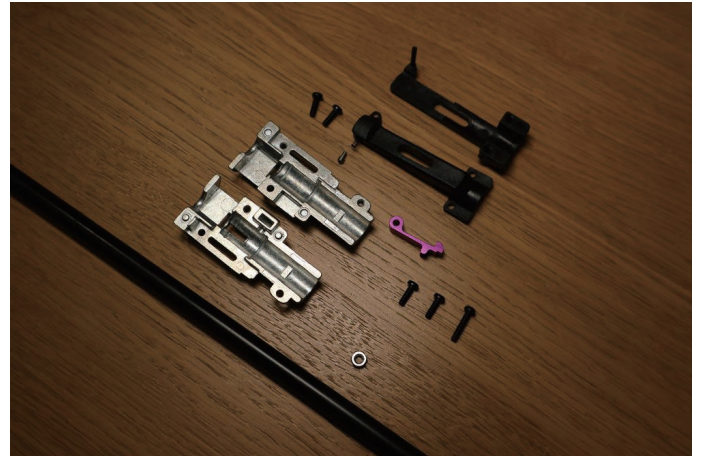




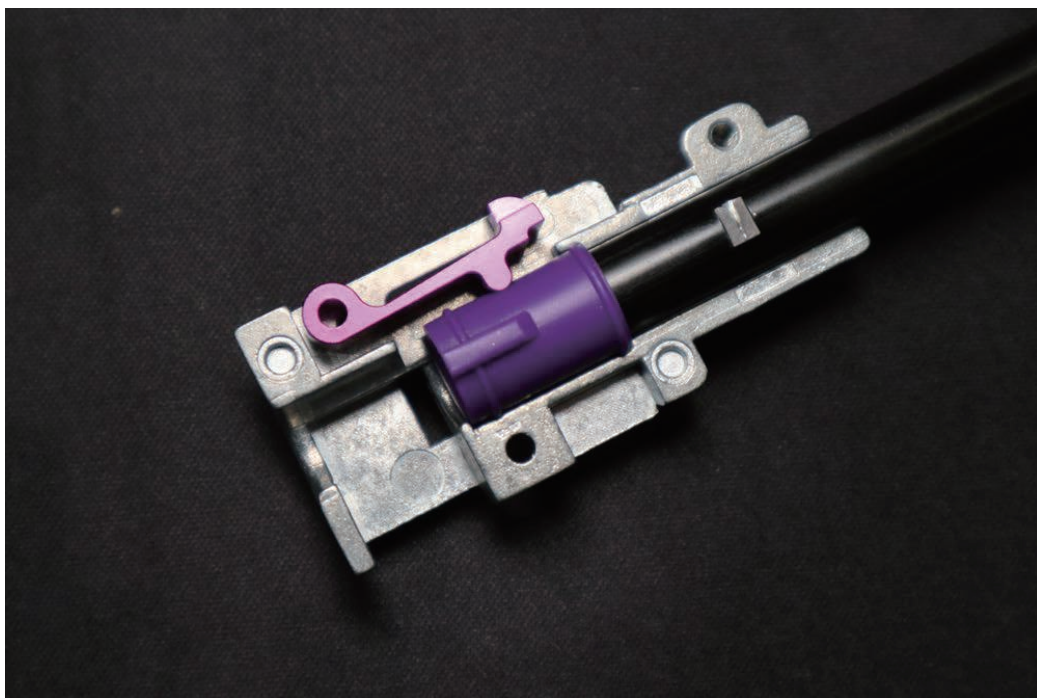
▲ Mid-receiver; 6.03mmx363mm inner barrel; metal hop-up chamber shown.



Two-side adjustable hop-up with the original two-side lever as well as the upper screw adjustment.



▲ Metal Hop Up Chamber shown.



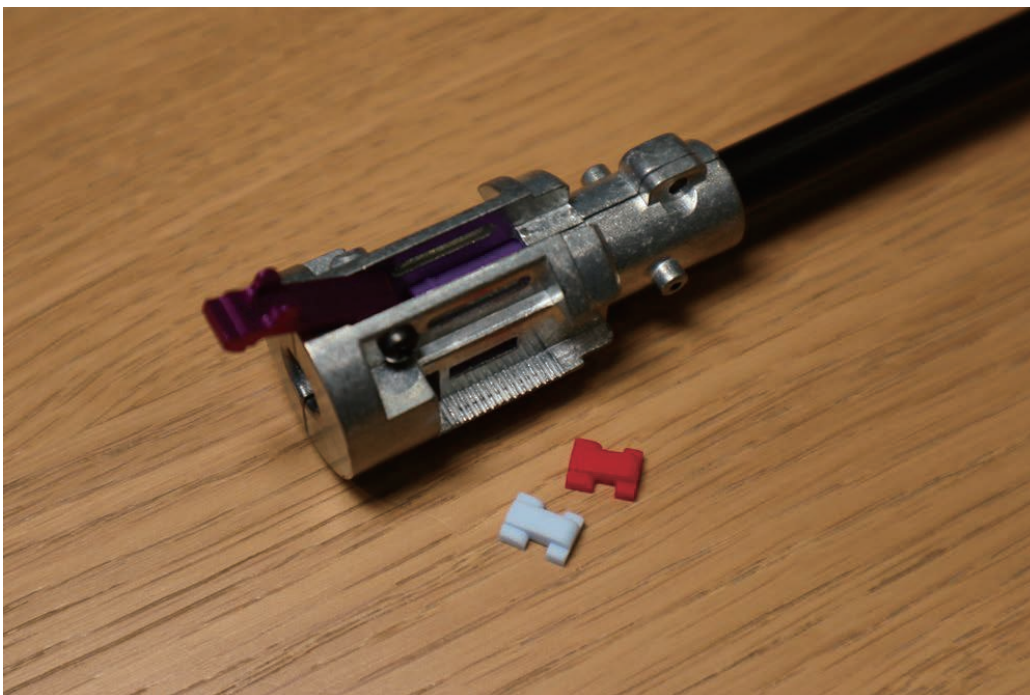
▲ Hop-up arm; bucking, and Predator hop-up bucking 60° shown.



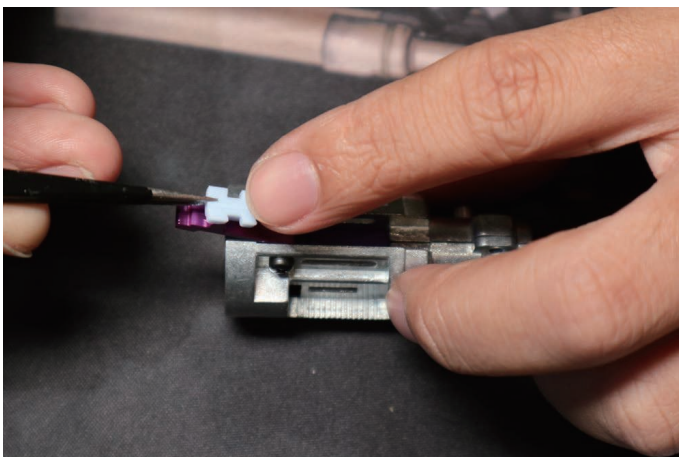
Upgrade Parts



▲ Upgrade parts: Modify Double H-Nub



▲ Modify Double H-Nub (comes with one of each hardness)
Hardness: Light blue 70° (left), red: 80° (right)



Put the Modify Double H-Nub on top of the nub.

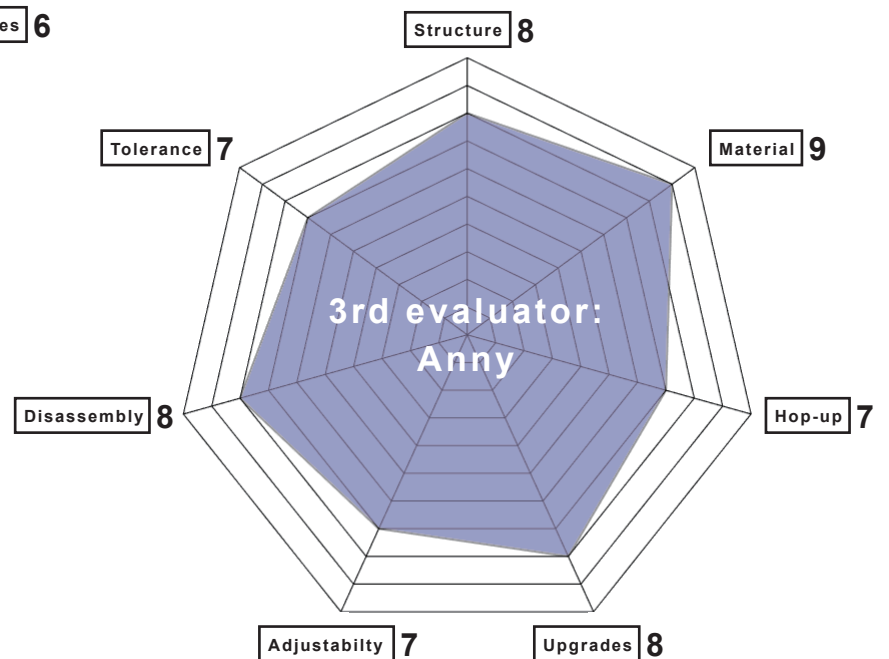
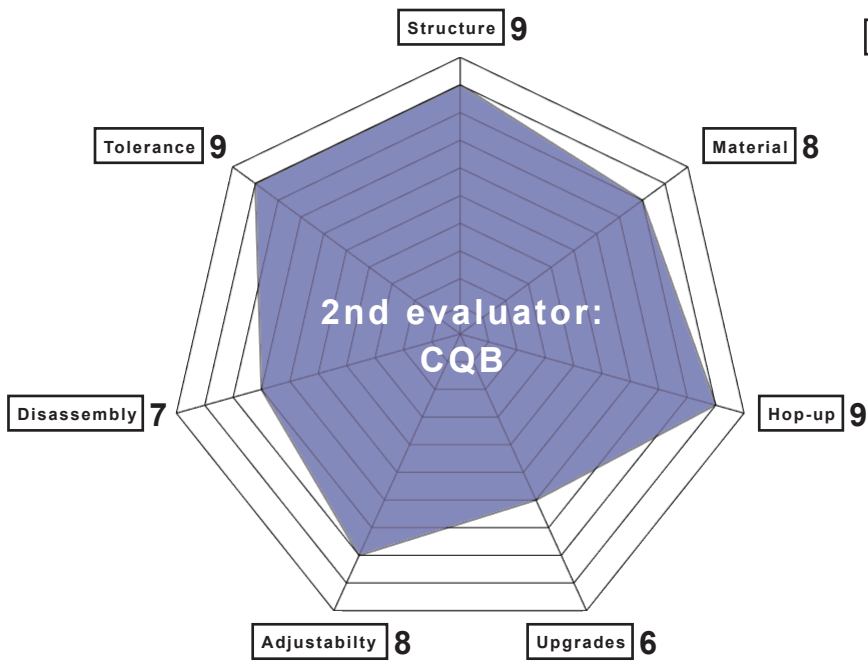
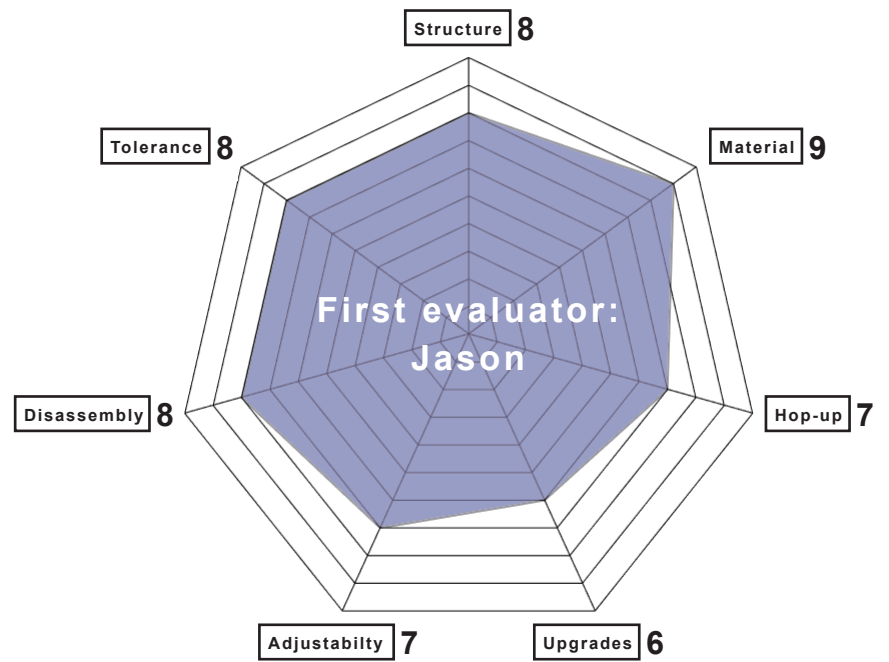


The Modify Double H-Nub can be mounted 4 ways (front, rear, face and reverse).



Evaluation of Interior Design

Score: 1~10





Having played survival games for many years, I met Jason in the past few years to have joined the Taiwan Sniper League he founded. What a pleasure to have met also many airsoft enthusiasts who generously share expertise of sniper rifles and accessories. After joining the club before the pandemic I was introduced to sniper rifles which I now know so much more.



To be fair and objective in the testing of the Modify Steyr Scout Bolt-action Sniper Rifle, we decided not to only rely on Anny's unboxing of the gun. Instead we asked 5 members of the Taiwan Sniper League to take time on a weekend to test the gun. The event also broadened Anny's understanding of the sniper rifle. We look forward to the next unboxing to further educate ourselves. Thanks again Modify for the fun-filled opportunity.



Website



FaceBook