Maintenance Flight Test Procedure			
No.	Flight test task	Maintenance Procedure	Acceptance Criteria
1	GPS function	1) Power on the aircraft 2) Wait for the aircraft to complete self-check 3) Let the aircraft stay on ground and wait until the aircraft catch 8 satellites	1) The aircraft could complete self-check 2) The aircraft could have 8 satellites within 3 mins
2	P,A,Smode flight	1) Mount the propeller 2) Perform pre-flight check 3) Take-off and hover	1) The aircraft can automatically lock the home point 2) No abnormal sounds during hovering
3		Switch **OFF** the down vision sensor, and hover at **P mode**	Good positioning performance, hovering drift range meets the requirements (range less than 2m, 5m / s≤wind speed≤8m / s; range less than 1.5m, wind speed≤5m / s)
4		Switch **ON** the down vision sensor, and hover at **P mode**	Good positioning performance, hovering drift range meets the requirements (0.5m)
5		With the aircraft hover height greater than 10m, fully control stick value to let the aircraft to move **forward**, **backward**, **left, right**, **up, down, rotate left and right** for 3-5s in each direction	Aircraft have good response, and it move smoothly
6		1) With the aircraft hover height greater than 50m, switch the flight mnode to sport mode, Move the aircraft **forward**, **backward**, **left**, **right**, **up, down, rotate left and right** for 3-5s in each direction	Aircraft have good response, and it move smoothly
7		Switch to **Atti** mode and hover	1) The hovering drift range within 5s meets the requirements (1.5m), no wind environment; 2) When perform this task at windy environment, control the aircraft to offset the wind froce, and the drift range within 5s in other directions meets the requirements (5m)
8	Visual obstacle avoidance	1) Switch to **P mode** 2) Confirm the vision system switched **on** 3) Control the aircraft to fly **slowly** towards the nearest obstacle	The aircraft be able to start brake and stop around 2.5m away the obstacle in all direction
9	Payload	1) Set the camera to **M mode**, and the shutter speed set to **1/2000s**, start recording 2) The aircraft hover at 50m height, hover 5s; 3) Fully pitch control and let the aircraft **rotate left and right** for 3s	1) App has clear image feed during the flight 2) No jelly effect or water ripple on the recorded video
10	Aircraft function test	1) Replace a **fully charged battery** 2) Make sure the home point located in an open space with no obstacles within **15m**. 3) Set the **correct** Return-To-Home altitude. 4) Control the aircraft move forward and climb to **60m - 120m** 5) Control the aircraft to perform the signal distance test (Depend on the operation environment, keep the aircraft within the line of sight, advice to fly up to **1km for M30/M300, 600m to 800m for smaller unit**) 6) **Optional**: Turn off the Remote Controller when at the maximum distance.	1) Good GPS signal during flight 2) The signal of the remote control and image transmission are good during the flight (allow to drop one grid intermittently and can be restored by adjusting the angle of the antenna)