Test Writer	Sabin Maharjan								
Test Case Name	MultiWii Serial Protocol (MSP) Read Test Test ID 1								
Description	Communicate with MWC Flip 1.5 Flight Controller using MSP commands	Type:							
	to read RC Values.								
Name of the Tester	Sabin Maharjan	Date May 15, 2016							
Hardware Version	N/A	Time	8:33 PM						
Required	 Drone Intel Edison with breakout board GPIO Board attached to Intel Edison MWC Flip 1.5 Flight Controller WIFI with SSH connection with Edison 2x Mini USB -type B connector 4 female-female pin connector 								
Setup	Connect Mini USB to Console port of the Intel Edison. Connect 4 female-female pin connector from serial port (Tx, Rx, Gnd, 5v) of the Flip 1.5 Flight Controller to GPIO Board's Serial Pin heads (Rx, Tx, Gnd, 5v). The blue light on Edison should be on. Red light on Flip 1.5 Controller should be on. Login to Edison using root. Change directory to "Drone/src". Type "make all". The following actions are done under this directory. The Drone battery is not connected for this test.								

Step	Action	Header	Length	Code	Data	CRC	Expected Result	P/F	Comment
1	./drone	\$M<	0	108	None	108	Header: \$M>	Р	
	att						Length: 6 bytes		
							Data:		
							angx[-1800;1800] /10		
							angy[-900;900] /10		
							heading[-180;180] /10		
2	./drone	\$M<	0	105	None	105	Header: \$M>	Р	
	rc-read						Length: 16 bytes		
							Data:		
							Roll [1000;2000]		
							Pitch [1000:2000]		
							Yaw [1000:2000]		
							Throttle [1000:2000]		