

SPECIFICATION FOR APPROVAL

CUSTOMER: 系統電子

CUSTOMER P/N : 354-0000031

MODEL NAME: Birdwing-MAIN ANT HF

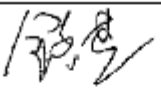
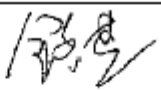
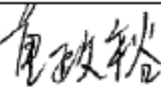
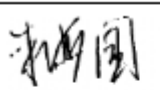
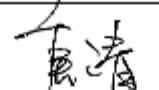
AWAN P/N: ALL00-000005

Date: 2024-09-04

Customer Approval

R&D Manager

AWAN Approved

					王昕霞
&D Manager / Dongyan.Jin	Mechanical Manager / Dongyan.Jin	Q&R Manager / Fish Tong	Project Engineer / Jake.Zhu	Product Manager Qing.Tang	Authorized Strength/ Xinxia.Wang



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8	防塵蓋		3	PVC
7	Birdwing-LTE_MAIN_P-SENSOR_FPC		1	FPC
6	Birdwing-WIFI_MAIN_GASKET		1	GASKET
5	Birdwing-LTE_MAIN_GASKET		1	GASKET
4	Ø1.13 L/L Red Clabe(P SENSOR)		1	CABLE + IPEX MHF4
3	Ø1.13 L/L Blue Clabe(WIFI MAIN)		1	CABLE + IPEX MHF4
2	Ø1.37 L/L Black Clabe(LTE MAIN)		1	CABLE + IPEX MHF4
1	Birdwing-MAIN_LDS		1	LDS + HOLDER
Item	Name	O'ly	Part #	Material / Finish
Tolerances Unless Otherwise Specified	Drawn	Date		
General	Kin	05/17/24'		
X . ±1.00	Design	Date		
.X . ±0.50	Kin	05/17/24'		
.XX ±0.20	Checked	Date		
.XXX ±0.05	Jason	05/17/24'		
Angles X . ±3.0°	Approved	Date		
.X ±2.0°	Jerry	05/17/24'		
.XX ±1.0°	Sheet			
Scale 1 : 1	Unit mm	3D File	Series ALL00	Size A3
Sheet 1 of 1	Customer Drawing		Dwg No. A-ALL00-88-00	Rev. X1
		Birdwing--MAIN_ANT_HF		

	5G Main Gain Data	
Frequency(MHz)	Peak Gain (dBi)	Efficiency (%)
698	-3.41	18.58
708	-2.92	21.34
710	-2.86	21.65
717	-2.65	23.37
723	-2.38	24.83
738	-1.55	29.45
746	-1.32	31.44
777	1.72	54.72
787	2.17	60.91
791	2.33	62.46
798	2.56	65.68
814	1.93	56.15
824	1.79	53.87
830	1.75	52.99
837	1.62	50.99
845	1.24	46.27
859	0.66	37.57
862	0.41	35.41
880	-1.56	23.17
894	-3.57	15.58
1710	3.67	44.13
1750	3.87	49.59
1780	3.79	53.92
1805	4.00	58.63
1850	4.18	67.29
1880	4.07	66.43
1900	3.72	63.92
1930	3.08	59.38
1960	2.14	54.07
2010	2.12	52.73
2140	3.57	51.63
2300	3.85	65.84
2355	2.86	60.30
2500	1.83	48.88
2595	1.70	58.49

	5G Main Gain Data	
Frequency(MHz)	Peak Gain (dBi)	Efficiency (%)
2690	2.15	59.60
3300	2.01	47.88
3400	3.46	58.45
3500	4.31	53.68
3600	4.26	59.35
3700	3.11	54.58
3800	2.69	57.54
4700	1.90	36.91

	WLAN Main Gain Data	
Frequency(MHz)	Peak Gain (dBi)	Efficiency (%)
2412	0.92	56.16
2437	1.67	62.64
2442	1.64	61.25
2450	1.76	60.46
2462	1.76	57.40
2484	2.05	56.12
5150	3.11	55.74
5250	2.81	49.27
5350	1.84	49.11
5470	2.77	49.61
5600	3.69	59.37
5725	4.23	58.31
5785	4.05	54.67
5850	3.68	53.33