

Project :Y220818061 Date. 2022.10.12

REV: A0

Antenna SPEC

Customer name: <u>UBTECH ROBOTICS CORP LTD</u>								
_								
Customer project: <u>UGOT Robot</u>								
Customer P/N:								
B&T P/N:74300	0074							
Spec.: internal ant	tenna -2.4 / 5G-B	ack	0.81 wire-terminal-					
<u>L=50mm-F</u>	PC-45.62×12.32m	<u>ım</u>						
Sealed by corporation:								
compilation	verify approval							
Huangfeihui	Huangfeihui Liulihua Liulihua							
Sealed by custon	ner:							
check	verify		approval					
Contact information of B&T:								
Contact person for sales: Zhangyanhua	MB:13510808863 E-mail: zhangyh@tech-now.com							
Contact person for technical: Liulihua	MB:13590104459							

Address:Room No. 2 and 3, 5F, Building 8, No. 218, Wenwu Middle Road, Tangxun Street, Economic Development Zone, Mianyang City, Sichuan Province

Form no.: B&T- qr-en-002 version: B3

E-mail: sc_qe2@tech-now.com

MB:15681917991

Contact person for Quality:

Leihao



Document making / revising / abolishing resume

Edition	Date	Formulate/Revised content	Formulate	approval	
A0 2022.10.12		First formulation	Huangfeihui	Liulihua	

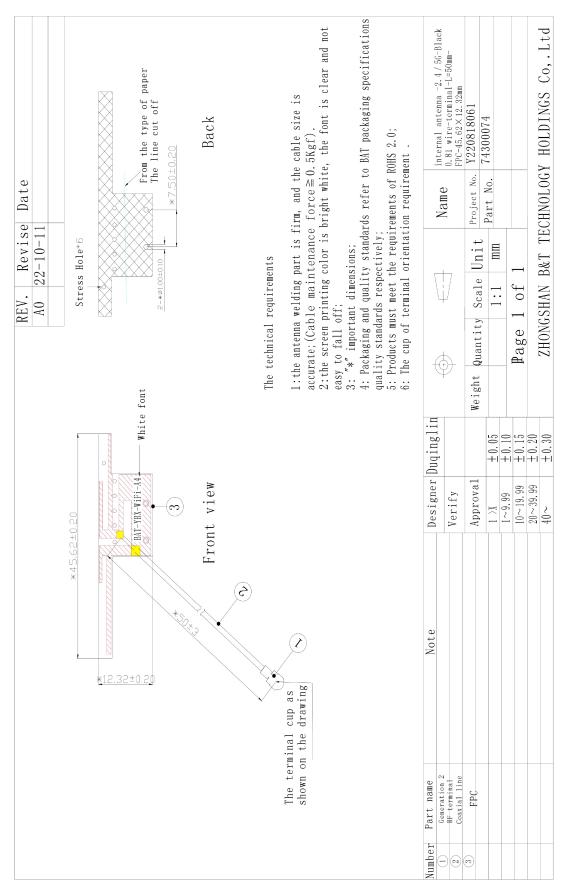


Contents

1,	Cover 1
2、	Index of specification
3、	Product drawing 4
4、	Electrical Parameter 5
5、	Electrical test report 6-7
6、	Table of Materials and Hazardous Substances ····· 8
7、	Packing Specification 9



3. Product drawing





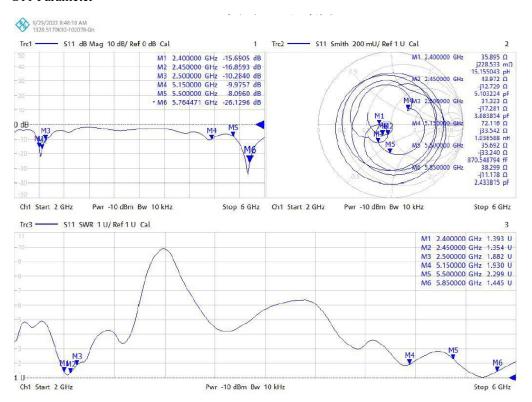
4. Properties ¶meter

Electrical Parameter					
Freq Range	2400~2500/5150~5850MHz				
Characteristic Impedance	50Ω				
VSWR	sample of reference project				
The Max input power	<10w				
Polarization mode	Polar linearization				
Radiation mode	Omni directional				
Connector style	Generation 2 RF terminal				
Me	echanics Properties				
Length	50±3mm				
Maintain the force	≥0.5kgf				
Coaxial cable	Black 0.81 wire				
Salt spray test	24Н				
Environment parameter					
Operating Temp -30°C~65°C					



5. Electrical test report

S11 Parameter



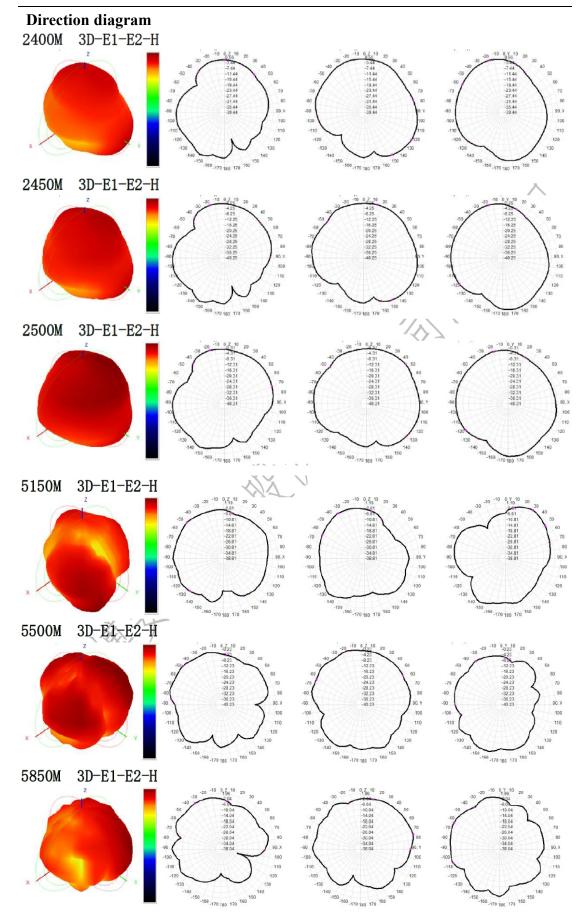
Electrical Performance Test Parameter Table

Freq/GHz	2.4	2.45	2.5	5.15	5.50	5.85
VSWR	1.39	1.35	1.88	1.93	2.29	1.44

Gain & efficiency

Frequency		
(MHz)	Gain (dBi)	Efficiency (%)
2400.0	1.85	33.44
2410.0	1.92	35.50
2420.0	1.91	37.29
2430.0	1.85	38.69
2440.0	1.69	38.81
2450.0	1.68	39.75
2460.0	1.57	39.24
2470.0	1.33	38.58
2480.0	1.03	37.96
2490.0	0.71	38.73
2500.0	0.36	37.10
5150.0	1.92	36.97
5200.0	0.90	33.11
5250.0	0.25	35.38
5300.0	-0.22	35.89
5350.0	-0.25	33.01
5400.0	0.00	33.80
5450.0	0.80	35.11
5500.0	0.30	32.82
5550.0	1.01	34.77
5600.0	2.12	38.30
5650.0	2.95	41.11
5700.0	1.87	43.33
5750.0	2.89	43.55
5800.0	2.78	43.03
5850.0	3.07	42.65





Form no.: B&T- qr-en-002 version: B3



6. Table of Materials and Hazardous Substances

Items	specif icatio ns	The	RoHS The inspection results (PPM)							Detection
are		material	Cd	Pb	Hg	Cr+6	PBB	PBD E	ICP Test number	time
	1.13	FEP	ND	ND	ND	ND	ND	ND	NGBML2200124302	2022/1/27
1	line	Tin plated copper wire	ND	ND	ND	ND	ND	ND	CANEC2215409701	2022/7/22
2.	FPC PI	PI	ND	ND	ND	ND	ND	ND	SHAEC2202460504	2022/2/21
2		Tape	ND	ND	ND	ND	ND	ND	CANEC2200386501	2022/1/12
		PBT	ND	ND	ND	ND	ND	ND	NGBEC22001678609	2022/6/8
3	terminal	Phosphor bronze	ND	ND	ND	ND	ND	ND	CANEC2201952007	2022/2/18



PACKING CRITERION

P/N: 74300074										
Spec.: internal antenna -2.4 / 5G-Black 0.81 wire-terminal-L=50mm-FPC-45.62×12.32mm										
— contents of label(according to the customer's name, refer to the corresponding finished product label production requirements. If there is no requirement, it will follow the ordinary label requirements.)										
	Label for PE bag/ carton, L:10cm; W:6cm Label for PE bag/ carton, L:10cm; W:6cm									
	buyer		******	ı		buyer	********			
		Zhongshan B&7	Γ Communication Tech	nology Co., Ltd.			Zhongshan Bé	Zhongshan B&T Communication Technology Co., Ltd.		
	vender	Sichuan B&T	Communication Techno	ology Co., Ltd.		vender	Sichuan B&	Γ Communication Tech	nology Co., Ltd.	
	Purchase No		******	:		Purchase No		******	*	
	Material No.	**	******	**		Material No.	*	******	*****	
	Part name	******	QC	**		Part name	*****	QC	**	
	Q'ty/Unit	****	Manufacture date	**** ** *		Q'ty/Unit	****	Manufacture date	**** ** *	
	Trace code	******	Running water number	******		Trace code	*****	Running water number	******	
1	 —. Packing requirement Operating description: 1. inner packing: 50PCS/ small bag,200PCS/ big bag PE bag PE bag 2. outer packing: Quantity according to actual packingPCS/carton 									
N	Jotice:							Carton	To a	