

Project:Y202205130713

Date. 2022.05.13 REV: A0

Antenna Specification: 2.13dBi

Antenna SPEC

Customer name:
Customer project: AVION IFA
1 3
Customer P/N:
B&T P/N:74220076
Spec.: internal antenna -2.4G-Gray 1.13 wire-terminal-L=300mm

-copper pipe- ⊄ 3×29.5mm

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Edition	Date	Formulate/Revised content	Formulate	approval	
A0	2022.12.06	First formulation	Huangfeihui	Zhangfajun/Liulihua	

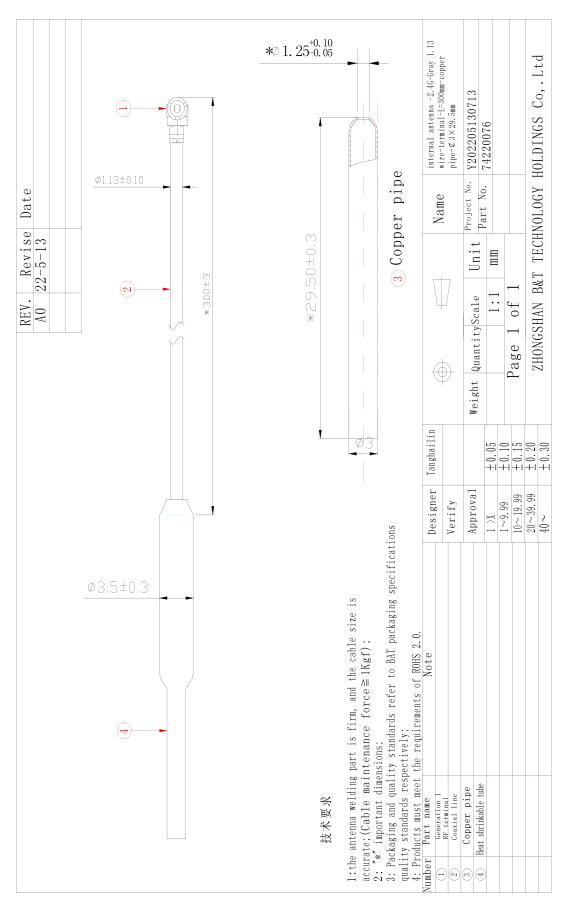


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3. Product drawing





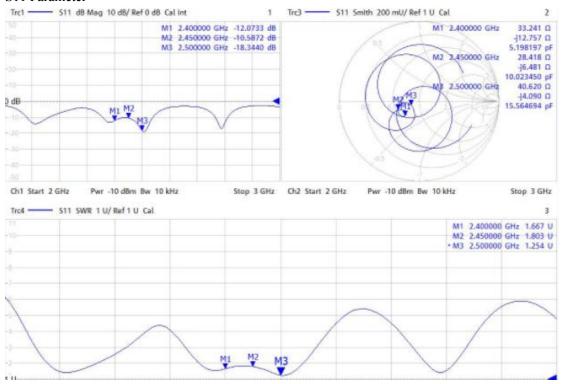
4. Properties ¶meter

Electrical Parameter					
Freq Range	2400~2500MHz				
Characteristic Impedance	50 Ω				
VSWR	sample of reference project				
The Max input power	<10w				
Polarization mode	Polar linearization				
Radiation mode	Omni directional				
Connector style	terminal				
Me	echanics Properties				
Length	300±3mm				
Maintain the force	≥1 kg f				
Coaxial cable	Gray 1.13 wire				
Salt spray test	24Н				
Environment parameter					
Operating Temp	-30°C~65°C				



5. Electrical test report

S11 Parameter



Electrical Performance Test Parameter Table

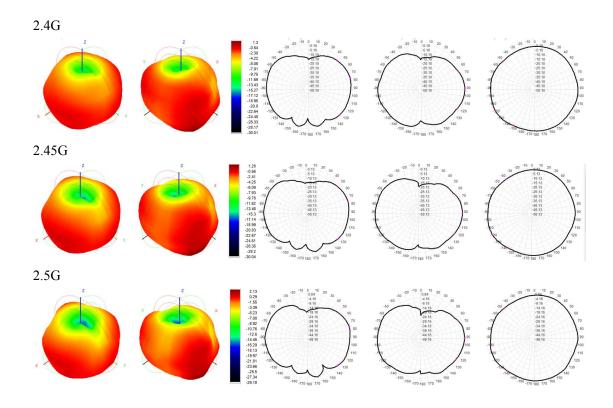
Freq/GHz	2. 4	2. 45	2. 5	
VSWR	1.66	1.80	1. 25	

Gain & efficiency

Frequency	Gain	Efficiency
(MHz)	(dBi)	(%)
2400.0	1.30	44.65
2410.0	1.10	42.89
2420.0	1.08	42.65
2430.0	1.01	40.84
2440.0	1.10	41.40
2450.0	1.28	44.87
2460.0	1.50	48.01
2470.0	1.86	51.33
2480.0	2.13	53.32
2490.0	2.04	50.80
2500.0	2.13	49.95



> Direction diagram





6. Table of Materials and Hazardous Substances

		The	R	oHS Th	e insped	ction result		Detectio		
Items are	specifications	material	Cd	Pb	Hg	Cr+6	PBB	PBD E	ICP Test number	n time
1	1.13 line	FEP	ND	ND	ND	ND	ND	ND	NGBML210023210 2	2021/5/17
•		Tin plated copper wire	ND	ND	ND	ND	ND	ND	CANEC2113747201	2021/7/30
2	copper	PI	ND	ND	ND	ND	ND	ND	SHAEC2202460504	2022/2/21
	pipe	Tape	ND	ND	ND	ND	ND	ND	SHAEC2118730101	2021/9/4
	terminal	PBT	ND	ND	ND	ND	ND	ND	ETR21801381	2021/8/12
3		Phosphor bronze	ND	5	ND	ND	ND	ND	CANEC2201952008	2022/2/18



PACKING CRITERION

P	P/N: 74220076								
S	pec.: interi	nal antenna	a -2.4G-Gra	y 1.13 wii	e-term	inal-L=300r	nm-coppe	r pipe-⊄3×	29.5mm
_	- 、 content	ts of lat	pel(accordin	g to the	custom	er's name, r	efer to th	e correspon	ding finished
p	roduct label	l production	on requireme	ents. If the	ere is n	o requireme	nt, it will	follow the o	ordinary labe
r	equirements	5.)							
	Label fo		earton, L:10c		1	Label fo	or PE bag/	carton, L:10	em;W:6cm
	buyer	:	******		1	buyer		******	*
	vender	ZHONGSHAN	B&T TECHNOLOG	GY Co,.Ltd	1	vender	ZHONGSHAN	N B&T TECHNOLO	OGY Co,.Ltd
	Purchase No	:	*******			Purchase No		******	*
	Material No.	**:	******	**		Material No.	*	******	***
	Part name	******	QC	**	1	Part name	******	QC	**
	Q'ty/Unit	****	Manufacture date	**** ** *		Q'ty/Unit	****	Manufacture date	****.**
	Trace code	*****	Running water number	******		Trace code	******	Running water number	******
1	Operating description: 1. inner packing:								
N	1 0								