



C300 APPROVAL SHEET

1. Updating records

Version Number	Changes	Change Date	Changer
1.0	First	2021-3-2	Xiao Wei

2.Product Application

The antenna apply to C351 project.

3.Environmental parameter

Working temperature: $-40^{\circ}\text{C}\sim 85^{\circ}\text{C}$

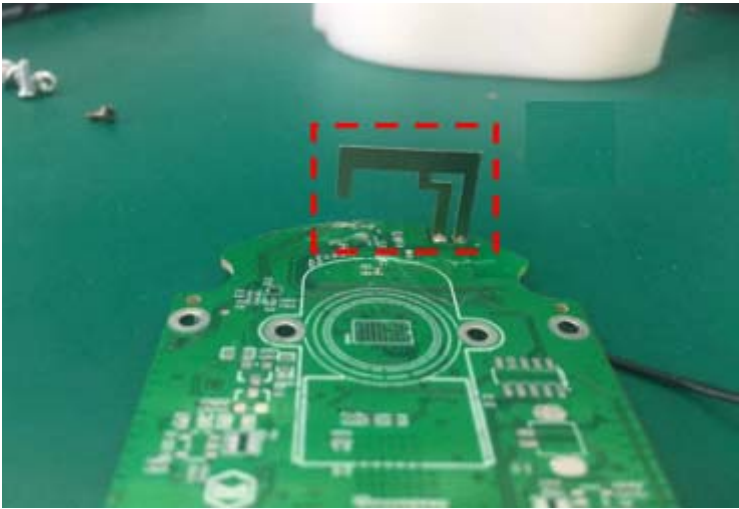
Storage temperature: $-40^{\circ}\text{C}\sim 90^{\circ}\text{C}$

4.Performance specification

Electrical parameters	
Antenna Performance (WiFi antenna)	
Frequency range (MHz)	2400-2500
Bandwidth (MHz)	100
Impedance (Ω)	50
VSWR	≤ 2.0
Polarization mode	Linear polarization
Radiation efficiency	$\geq 50\%$

Number	MH0176-W01-00		Customer No.			
Name	C351WIFI Antenna		Date	2021-3-2	Version	A
Maker	Xiao Wei	examine	Lai Wei Jian	Approve	Xiang Zhi Wen	

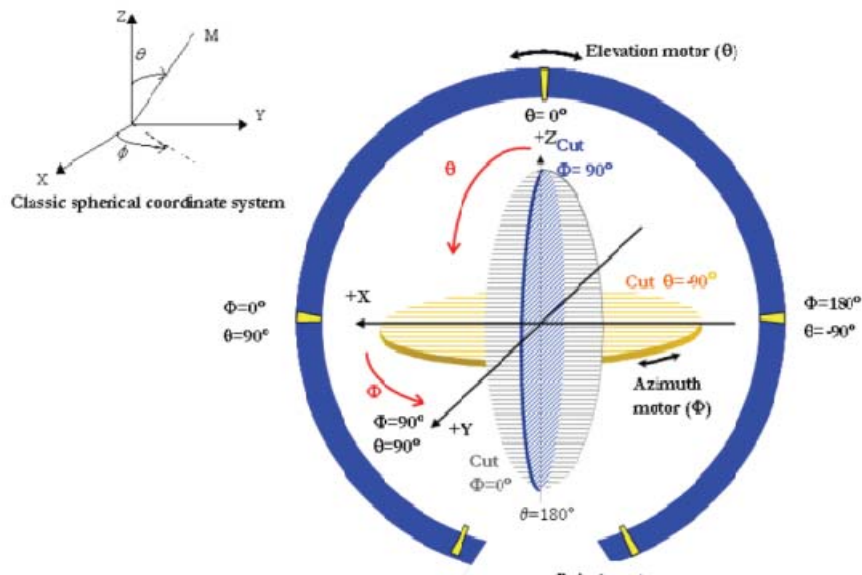
5. Antenna picture



6. Antenna test environment

The antenna input characteristics were tested using Agilent E5071C vector network analyzer.

The antenna radiation characteristics were tested using the Satimo SG24 3D near-field anechoic chamber. The test coordinate system is shown in figure 3,



Number					Version	A
Name					Maker	Xiao Wei
Maker	Xiao Wei	examine	Lai Wei Jian	Approve	Xiang Zhi Wen	

7. Test Data



Freq (MHz)	Effi (%)	Effi (dB)
2400	61.64	-2.10
2410	57.19	-2.43
2420	59.16	-2.28

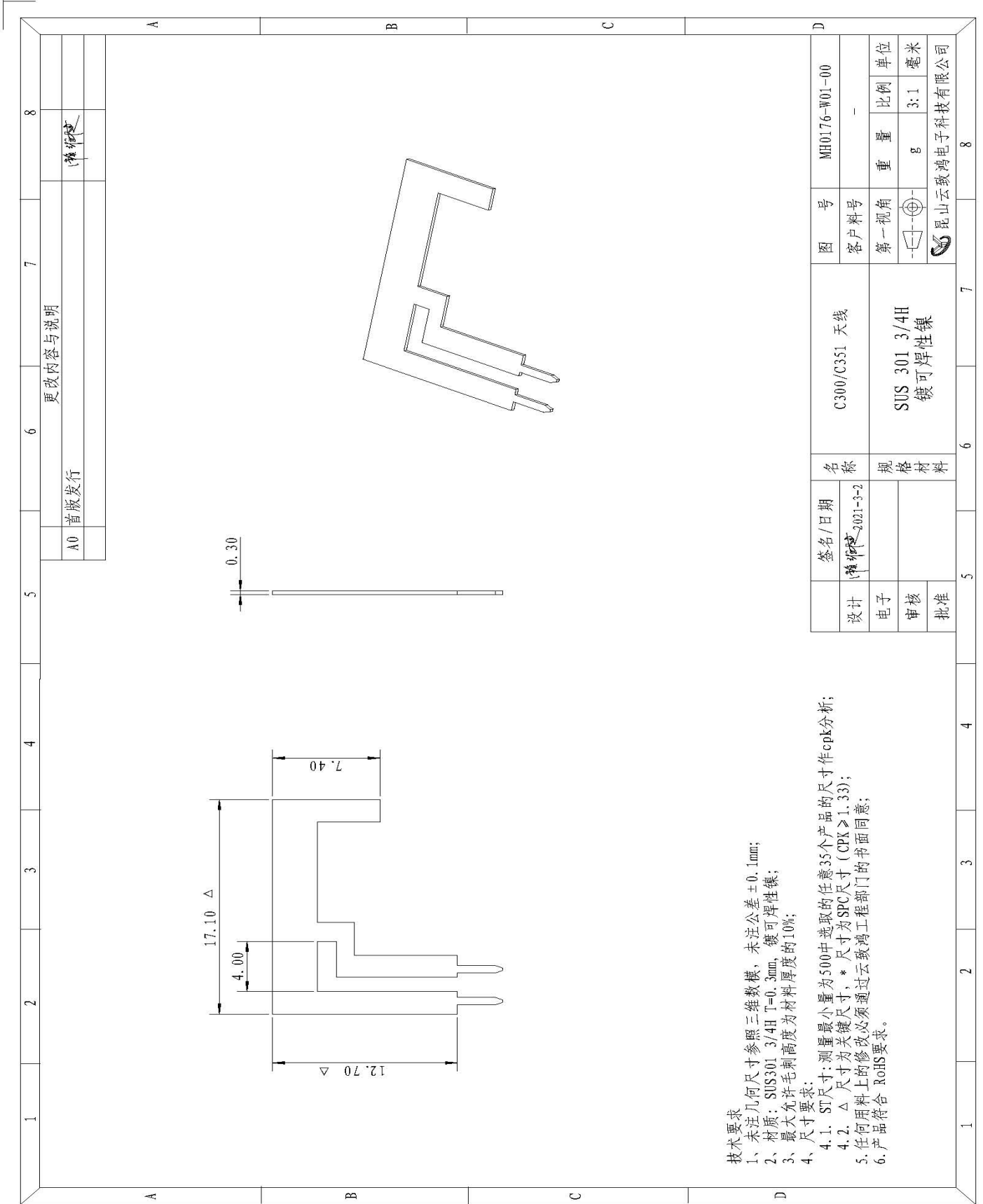
Number	MH0176-W01-00			Customer No.		
Name	C351WIFI Antenna			Date	2021-3-2	Version A
Maker	Xiao Wei	examine	Lai Wei Jian	Approve	Xiang Zhi Wen	



2430	58.52	-2.33
2440	61.88	-2.08
2450	63.81	-1.95
2460	61.46	-2.11
2470	61.99	-2.08
2480	64.51	-1.90
2490	67.89	-1.68
2500	69.33	-1.59
Average	62.49	-2.05

Number	MH0176-W01-00		Customer No.			
Name	C351WIFI Antenna		Date	2021-3-2	Version	A
Maker	Xiao Wei	examine	Lai Wei Jian	Approve	Xiang Zhi Wen	

8. Structure chart



8	8	7	6	5	4	3	2	1	
更改内容		首版发行		更改内容		首版发行		更改内容	

图号	MH0176-W01-00
客户料号	-
第一视角	重量 比例 单位
	B 3:1 毫米
昆山云致鸿电子科技有限公司	

名称	C300/C351 天线
规格材料	SUS 301 3/4H 镀可焊性镍
签名/日期	2021-3-2
设计	电子
审核	批准

Number	MH0176-W01-00	Customer No.	
Name	C351WIFI Antenna	Date	2021-3-2
Maker	Xiao Wei	examine	Lai Wei Jian
		Approve	Xiang Zhi Wen



9. Test Report


Technological Requirements					
NO.	Name	Technical control projects	Technical Requirement	Test Time	Notes
1	Stamping	SUS301 3/4H	Salt spray test	48h	
		Appearance	No sensory scratches		
2	Inspection	Appearance/Testing	The sheet metal has no sensory scratches or missed processes, and the test is OK		
3	Package	Quantity	No excessive or insufficient installation		

Number	MH0176-W01-00			Customer No.		
Name	C351WIFI Antenna			Date	2021-3-2	Version A
Maker	Xiao Wei	examine	Lai Wei Jian	Approve	Xiang Zhi Wen	



10. Packaging

Supplier Name:Kunshan Yunzhihong electronic technology co. LTD

Part NO.		Part Name	MH0176-W01-00	Date	2021/3/2
Component importance: Key <input type="checkbox"/> Important <input type="checkbox"/> Normal <input checked="" type="checkbox"/>					
Packing: Kunshan Yunzhihong electronic technology co. LTD			Delivery unit: Kunshan Yunzhihong electronic technology co. LTD		
consignee:			Distance:		
Empty packaging recycling unit: announce invalidated check in paper			mode of transport: freight transport		
Diagram			require 		
Inner packaging instructions			Packaging box description		
Overall dimensions: 35cm* 20 cm* 30cm			Overall dimensions: 30cm* 20 cm* 135 cm		

Number	MH0176-W01-00	Customer No.			
Name	C351WIFI Antenna	Date	2021-3-2	Version	A
Maker	Xiao Wei	examine	Lai Wei Jian	Approve	Xiang Zhi Wen



Materials: PE Bag	Materials: carton
Number of parts/bag: 1000PCS/bag	Number of parts/carton: 30000PCS/carton

Number	MH0176-W01-00	Customer No.			
Name	C351WIFI Antenna	Date	2021-3-2	Version	A
Maker	Xiao Wei	examine	Lai Wei Jian	Approve	Xiang Zhi Wen