



Shanghai Chuangmi Technology Co., Ltd.

Integral Antenna

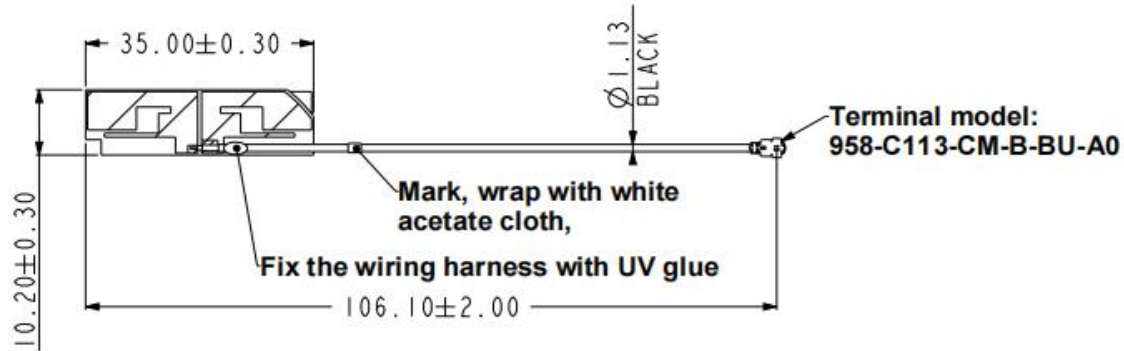
Part Description	Manufacturer Kunshan Yunzhong Electronic Technology Co. LTD.		Description: CM0296-W03-00			
	Manufacturer Address:No.399, Jujin Road, Zhangpu Town, Kunshan City, Jiangsu Province					
	Product Name: IMI_IPC068_A01,Wifi Antenna		Project: IMI_IPC068_A01			
	Antenna type: PCB+Cable					
Attachments:	Part No.: 5022AA013615					
	<input checked="" type="checkbox"/> Specification	<input checked="" type="checkbox"/> Drawing	<input checked="" type="checkbox"/> Sample	<input checked="" type="checkbox"/> RoHS Report		
	<input type="checkbox"/> CPK Report	<input type="checkbox"/> FAI Report	<input type="checkbox"/> Reliability Report	<input type="checkbox"/> RoHS Questionnaire		
	<input checked="" type="checkbox"/> QC Flow Chart	<input type="checkbox"/> Material Verification Sheet	<input checked="" type="checkbox"/> Packing Content	<input type="checkbox"/> Safety Report		
* ROHS						
Vendor	Design	Check	Approval:			
Technology Check	Mechanical	Hardware	ID	Sourcing		
	Software	Keypart	Engineering	SQE		
	Project Manager	Product Manager	Customer			
Final Check	Quality Planning		Rohs Status	<input checked="" type="checkbox"/> RoHS <input type="checkbox"/> Non-RoHS		
Approval condition	<input type="checkbox"/> Approved		<input type="checkbox"/> Reject			
Approval condition	<input type="checkbox"/> Conditional Approved	Conditions:				
	<input type="checkbox"/> Temporary Approved	Limited _____ Pcs for purchasing				
Approval by	RD Leader (Technology Director)		Quality Director			
	* Audit by Technology Director or Quality director on the conditions of special approval					
Distribute	<input type="checkbox"/> IQC	<input type="checkbox"/> hardware	<input type="checkbox"/> ME	<input type="checkbox"/> Software	<input type="checkbox"/> Components	<input type="checkbox"/> ID
	<input type="checkbox"/> Vendor	<input type="checkbox"/> Customer	<input type="checkbox"/> outsourcing	<input type="checkbox"/> Engineering	<input type="checkbox"/> SQE	<input type="checkbox"/> Others _____



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REV	DESCRIPTION	DRAWN	DATE
A0	First edition release	Hwg	2023-7-07
A1	PCB solder joint area change	Hwg	2023-7-12
A2	Change the length of the CABLE line to 90mm	Hwg	2023-8-21
A3	PCB wiring change	Hwg	2023-9-01
A4	Add some UV glue at the solder joint	Hwg	2023-9-14
A5	The adhesive model has been changed to SDKMZ10133	Hwg	2023-10-16
A6	Wrap white acetate cloth for marking	Hwg	2023-10-20



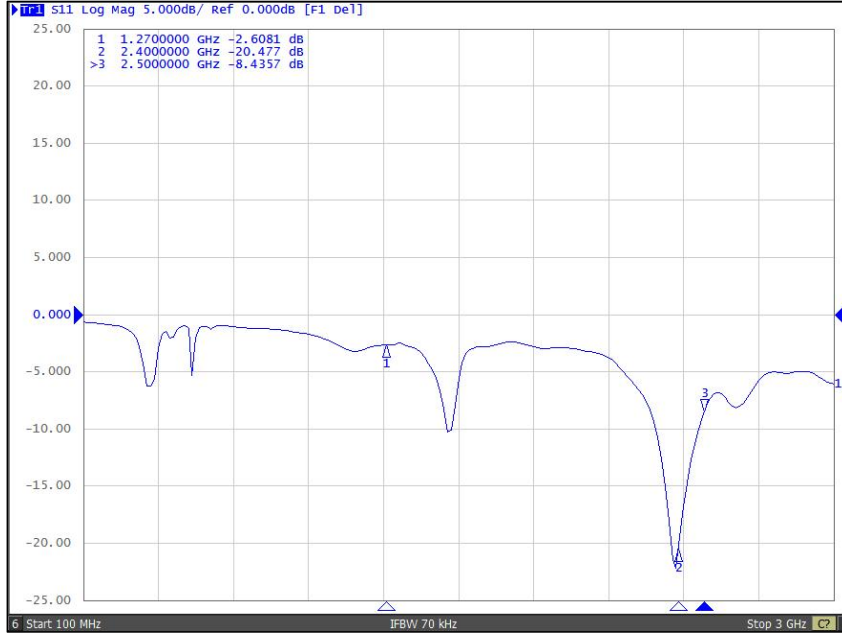
Technical requirements:

1. PCB material: FR4 1.0mm thick, copper foil 0.5 OZ, single panel;
2. Various welding defects should not occur during welding;
3. 100% antenna consistency test;
4. FAI: Randomly select 5 product groups for full size measurement* Size is the key control area
5. Without permission, the corresponding materials and processes shall not be modified;
6. The marked size is the key size, and the marked size is the CPK size;
7. Meets RoHS requirements.

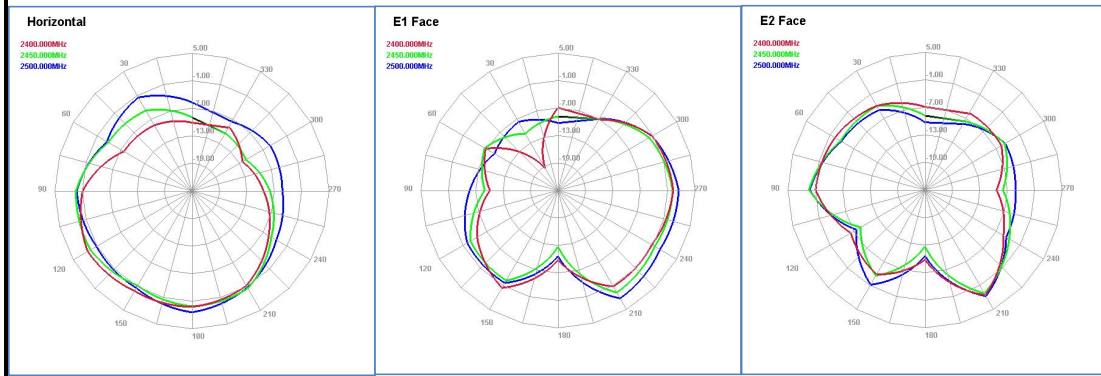
Part Name	IPC068 WIFI ANT	Drawing No. /Part No.	CM0296-W03-00	Rev. A0
Spec.	PCB+CABLE	Customer P/N:	5022AA013615	
Drawn	Hwg	1 Projection	Scale	Unit
E.E.			1:1	mm
APPROVED		Nanshan Yunzhihong Electronics and Technology Co., Ltd		

Antenna Performance Report

Customer	Chuangmi	Written By	WENFENG	Orig. Date	2024-1-23
Part Number	5022AA013615	Revised By	Xuehua Lan	Revised Date	2024-1-23
Description1	CM0296-W03-00	Approved By	Sinfo Pan	Approved date	2024-1-23



Antenna Type: Monopole			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	51.6	-2.9	2.5
2410	52.7	-2.8	2.6
2420	48.5	-3.2	2.3
2430	50.1	-3.0	2.3
2440	46.4	-3.3	1.8
2450	47.2	-3.3	1.5
2460	41.7	-3.8	0.9
2470	44.1	-3.6	1.2
2480	40.3	-3.9	0.5
2490	39.9	-4.0	0.8
2500	46.8	-3.3	1.7
AVE	46.3	-3.4	1.6



Antenna Test Configuration

Customer	Chuangmi	Written By	WENFENG	Orig. Date	2024-1-23
Part Number	5022AA013615	Revised By	Xuehua Lan	Revised Date	2024-1-23
Description1	CM0296-W03-00	Approved By	Sinfo Pan	Approved date	2024-1-23

OTA Test System			
No.	Name	Model	Manufacturer
1	RF shielded Anechoic Chamber	4*3*3	Guangping
2	RF switch box		Guangping
3	ENA	E5071C	Keysight
4	Radio Communication Analyzer	CMW500	R&S

