

Shanghai Chuangmi Technology Co., Ltd.

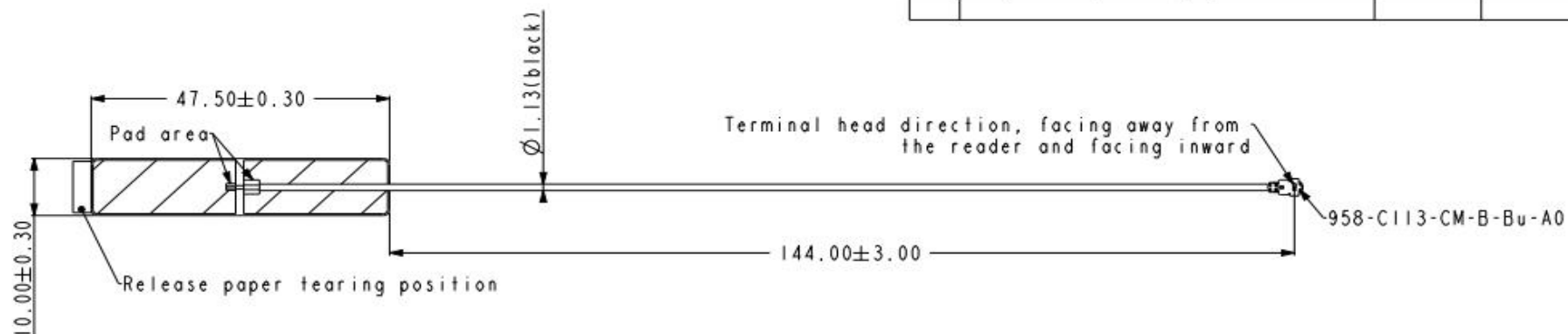
Antenna specification sheet

Part Description	Manufacturer Kunshan Yunzhihong Electronic Technology Co. LTD.		Description: FPC	
	Product Name: IMI_IPC065_A01,IPC065 antenna		Project: IPC065	
	Part No.: 5022AA013614			
	Attachments:			
	☒ Specification	☒ Drawing	☒ Sample	☒ RoHS Report
	☒ CPK Report	☒ FAI Report	☒ Reliability Report	☒ RoHS Questionnaire
	☒ QC Flow Chart	☐ Material Verification Sheet	☒ Packing Content	☐ 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	☒ RoHS ☐ Non-RoHS
Approval condition	☐ Approved ☐ Reject			
Approval condition	☐ Conditional Approved Conditions:			
	☐ Temporary Approved Limited _____ Pcs for purchasing			
Approval by	RD Leader (Technology Director)		Quality Director	
	* Audit by Technology Director or Qunality director on the conditions of special approval			
Distribute	☐ IQC	☐ hardware	☐ ME	☐ Software
	☐ Vendor	☐ Customer	☐ outsoucing	☐ Components
			☐ Engineering	☐ ID
			☐ SQE	☐ Others _____

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REV	DESCRIPTION	DRAWN	DATE
A0	First edition release	LAIWEIJIAN	2023-04-28
A1	Component modification PCB wiring	LAIWEIJIAN	2023-05-16
A2	Component modification PCB wiring modification PCB wiring and welding area stripping size	Snaker	2023-06-15



Technical requirements:

1. PCB material: FR4 0.8mm thick, copper foil 0.5 OZ, single panel, surface black ink;
2. Back glue: Cotton paper adhesive SDK-DS-10;
3. There should be no welding defects such as virtual welding or false welding;
4. 100% antenna performance consistency test;
5. Meets RoHS requirements.

Part Name	IPC065 WIFIANT	Drawing No. / Part No.	CM0829-W03-00	Drawing REV A0
Spec.	assembly	Customer P/N:	5022AA013614	
Drawn	Snaker	1 st Projection	Scale	Unit
E.E.			1:2	mm
APPROVED				Frame Size A4



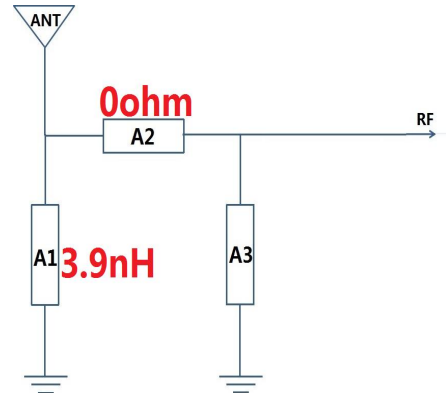
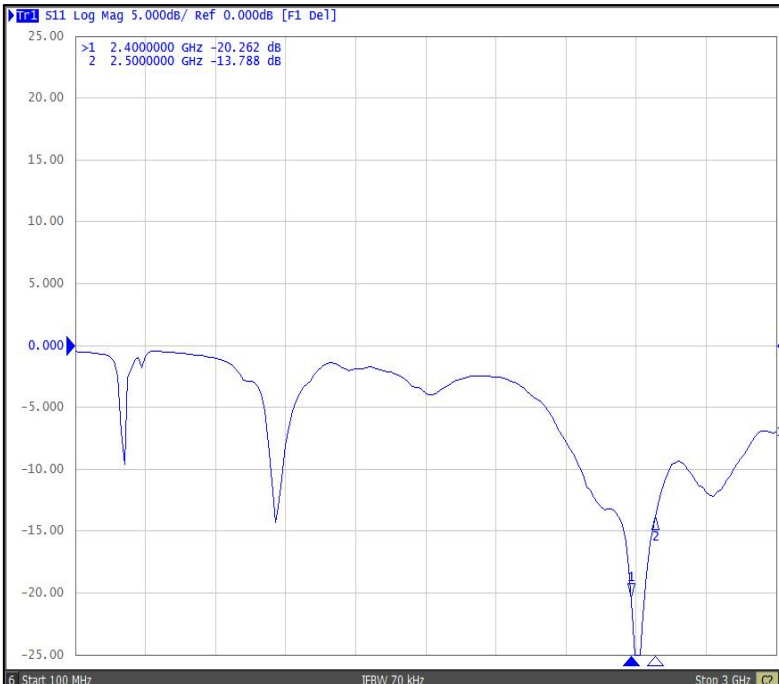
KanShan Tunzhihong Electronics and Technology Co., Ltd.

全尺寸测量报告 Full size measurement report

Vendor(供应商)						Part NO(料号)		5022AA013614		Tool Number(模号)		Cav. Number(穴数)				Unit(单位)				Comments(设计者签字) Lai weijian				
昆山云致鸿						Part Name (零件名称)		CM0829-W03-00				Rev(版本)		A2		☐ INCHES ☒ MILLIMETERS								
日期Date		2023/7/21				MEASURED DIMENSION(实测尺寸)					% TOLERANCE USED(公差使用百分比)				DISPOSITION						ACCEPTABLE VARIANCE			
DIM. #	DIMENSION	DRAWING ZONE	+ TOL.	- TOL.	NOTE	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	UPPER	LOWER	0%-25%	25%-50%	50%-75%	75%-100%	100%+	Re-Measure	Accept	Fix Tool	Accept With Variance	DIMENSION	+ TOL.	- TOL.
1	10.00	A1	0.30	0.30		10.12	9.94	10.13	9.91	10.10	43%	30%												
2	47.50	A2	0.30	0.30		47.40	47.55	47.52	47.39	47.59	30%	37%												
3	144.00	B4	3.00	3.00		143.00	145.50	145.00	143.50	146.00	67%	33%			X									
4																								
5																								
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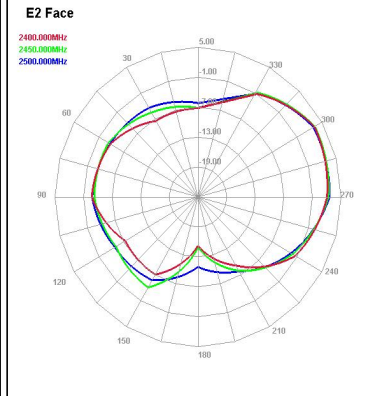
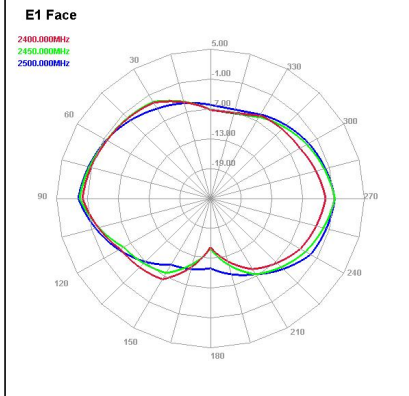
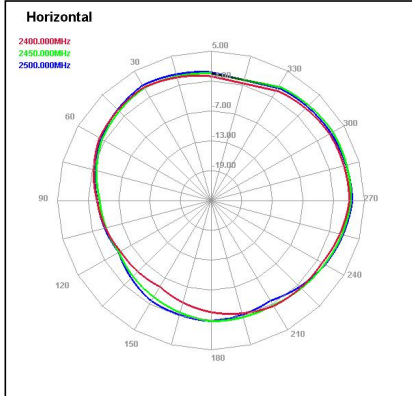
Antenna Performance Report

Customer	Chuangmi	Written By	Lai Weijian	Orig. Date	23-May-23
Part Number	5022AA013614	Revised By	Liu Shiqiang	Revised Date	23-May-23
Description1	CM0829-W03-00	Approved By	Huang Fei	Approved date	23-May-23



Antenna Type: FPCANT

Passive Data				Active Data						
Freq	Effi	Effi	Gain	11b	Wifi 2G TRP			Wifi 2G TIS		
(MHz)	(%)	(dB)	(dBi)		1	7	13	1	7	13
2400	61.9	-2.1	3.2		2412	2442	2472	2412	2442	2472
2410	56.1	-2.5	2.7		17.0	16.5	16.4	-85.6	-86.1	-85.0
2420	60.2	-2.2	2.9							
2430	60.2	-2.2	2.9	11g	Wifi 2G TRP			Wifi 2G TIS		
2440	61.9	-2.1	3		1	7	13	1	7	13
2450	67.5	-1.7	3.3		2412	2442	2472	2412	2442	2472
2460	64.6	-1.9	3		16.0	15.2	15.5	-73.4	-72.7	-71.8
2470	62.2	-2.1	2.8							
2480	64.7	-1.9	2.9	11n	Wifi 2G TRP			Wifi 2G TIS		
2490	67.8	-1.7	3.1		1	7	13	1	7	13
2500	66.1	-1.8	2.9		2412	2442	2472	2412	2442	2472
AVE	63	-2	3		13.0	12.3	12.6	-69.0	-68.5	-67.5



Antenna test configuration

Customer	Chuangmi	Written By	Lai Weijian	Orig. Date	23-May-23
Part Number	5022AA013614	Revised By	Liu Shiqiang	Revised Date	23-May-23
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OTA Test System

No.	Name	Model	Manufacturer
1	RF shielded <u>Anechoic Chamber</u>	4*3*3	GP
2	RF switch box		GP
3	ENA	E5071C	<u>Keysight</u>

Test Location: No. 399, Jujin Road, Zhangpu Town, Kunshan City, Jiangsu Province

